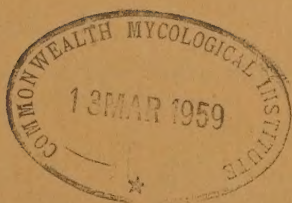
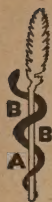


Ref 9/A





BIOLOGISCHE BUNDESANSTALT
FÜR LAND- UND FORSTWIRTSCHAFT
IN BERLIN-DAHLEM

BIBLIOGRAPHIE
DER PFLANZENSCUTZ-
LITERATUR

BIBLIOGRAPHY
OF PLANT PROTECTION

BIBLIOGRAPHIE
DE LA PROTECTION DES PLANTES

1951

Bearbeitet von

Regierungsrat

Dr. J. Bärner

Berlin 1955

Im Buchhandel zu beziehen durch den Verlag Paul Parey, Berlin und Hamburg

Auslieferung: Berlin SW 68, Lindenstraße 44-47 (Westberlin)



Vorwort

Die »Bibliographie der Pflanzenschutzliteratur« wurde von Oberregierungsrat Professor Dr. Morstatt im Jahre 1921 zum ersten Male herausgegeben und umfaßt in 22 Bänden die Pflanzenschutzliteratur der Jahre 1914—1945.

Vorliegende Bibliographie enthält über 12 500 Literaturzitate des Jahres 1951. In nächster Zeit sollen die fehlenden Jahrgänge 1946—1950 nach und nach erscheinen und so die vorhandenen Lücken geschlossen werden.

Die von Prof. Morstatt geschaffenen Gruppierungen wurden beibehalten. Um jedoch aus dem umfangreichen Material ein schnelles und sicheres Auffinden der gesuchten Literatur zu gewährleisten, war es unerlässlich, die einzelnen Kapitel, ihrem Umfang entsprechend, weiter aufzuteilen. Dies trifft besonders für die einzelnen Abschnitte über pilzliche Parasiten und Insektenschädlinge zu. Aus praktischen Erwägungen heraus sind hier die Überschriften lateinisch bezeichnet und systematisch geordnet. Wo sich jedoch die systematische Gliederung als unzweckmäßig erwies, wurde eine alphabetische Anordnung der betreffenden Familien und Gattungen bevorzugt, so z. B. in den Abschnitten III, 5 »Handelspflanzen« und III, 9 »Zierpflanzen«.

Die mit römischen und arabischen Zahlen versehenen Hauptabteilungen und Hauptkapitel blieben, entsprechend der Aufteilung früherer Ausgaben der Bibliographie der Pflanzenschutzliteratur, unverändert, um eine laufende Eingruppierung der Literaturnachweise in die Gesamtkartei des Pflanzenschutzes zu ermöglichen. Diese befindet sich in der Biologischen Bundesanstalt für Land- und Forstwirtschaft, Berlin-Dahlem, und umfaßt über 300 000 Karteikarten.

Sämtliche Kapitelüberschriften sind in einem ausführlichen Inhaltsverzeichnis aufgeführt, und es ist empfehlenswert, vor dem Aufsuchen von Literatur diesen Index weitgehend zu benutzen. Hinzukommen die »lebenden Kolumnentitel«, die für eine allgemeine Orientierung ausreichend sind.

Titel, Einleitungen, Kapitelüberschriften und »lebende Kolumnentitel« werden in drei Sprachen, deutsch, englisch und französisch, wiedergegeben. Erläuterungen zur Quellenangabe, wie Seitenzahlen, Abbildungen usw., »erscheinen« bei Literaturzitaten deutscher Arbeiten in deutscher Sprache, bei ausländischen durchgehend in lateinischer. Die entsprechenden Abkürzungen sind nachfolgender Tabelle zu entnehmen:

lateinisch	deutsch	englisch	französisch
ann. = annuus	Jahrg. = Jahrgang	annual publication	année
ed. = editio	Aufl. = Auflage	edition	édition
fig. (figg.) = figura(e)	Abb. = Abbildung(en)	figure	figure, illustration
nr. = numerus	Nr. = Nummer(n) Heft(e)	number	numéro
n. ser. = nova series	n. S. = neue Serie neue Reihe	new series	série nouvelle
p. (pp.) = pagina(e)	S. = Seite(n)	page	page
separ. = separatum	Sdr. = Sonderdruck	special print	tirage à part
tab. = tabula	Taf. = Tafel(n)	plate	planche
tab. col. = tabula colorata	Farbtaf. = Farbtafel(n)	coloured plate	planche en couleurs
tab. geogr. = tabula geographica	Kart. = Karte(n) Landkarte(n)	map	carte
vol. = volumen	Bd. = Band Bde. = Bände	volume	volume, tome

Um bei der Dokumentation von Veröffentlichungen allgemeinen Inhalts Überschneidungen zu vermeiden, sind auch den Untergruppierungen Kapitel mit allgemeinen Themen vorangestellt.

Literaturangaben über die Gattungen *Morus* und *Salix* wurden gesondert an den Schluß des Kapitels III, 8 »Forstgehölze« gestellt. Im Abschnitt IV, 2b »Biologische Bekämpfung« sind die Überparasiten nicht getrennt aufgeführt, sondern innerhalb der zoologisch-systematischen Einteilung zu finden.

In eckigen Klammern beigefügte Texte dienen zur besseren Inhaltsbezeichnung des Literaturzitats.

Allen, die dazu beigetragen haben, die oft beträchtlichen Schwierigkeiten beim weiteren Ausbau der Bibliographie der Pflanzenschutzliteratur zu überwinden, sei an dieser Stelle besonders gedankt.

Berlin-Dahlem, den 1. August 1955

Johannes Bärner

Introduction

The »Bibliographie der Pflanzenschutzliteratur« was issued the first time by Oberregierungsrat Prof. Dr. Morstatt in 1921, and includes in 22 volumes the phytopathological literature for the years 1914–1945.

This bibliography comprises more than 12 500 titles for 1951. Subsequent volumes from 1946–1950 shall follow very soon to close the gap gradually.

The provided arrangements of Prof. Morstatt were kept on. In order to guarantee a fast and sure way of locating the desired literature it was indispensable to classify the single chapter according to their extents in a more particular way. This is especially true of the single sections on the mycological parasites and entomological pests. From a practical consideration, the headings have been written in the Latin language and have been arranged systematically. Where the systematical classification has proved unsuitable, however, an alphabetical one of the families and species concerned has been used, such as in chapter III, 5 »Commercial plants« and in chapter III, 9 »Ornamental plants«.

The main departments and chapters, using Roman and Arabic numerals, have remained unchanged according to the classification of the former editions of the bibliographies of plant protection, thus facilitating a continuous arrangement of the literature works of reference into a card index of plant protection. This card index is to be found in the »Biologische Bundesanstalt für Land- und Forstwirtschaft, Berlin-Dahlem«, and comprises more than 300 000 cards.

All the chapter headings have been specified in the detailed contents. Hence, it is recommended to use this index extensively before looking up the desired literature. In addition, there are the »living headings«, which are sufficient for general information.

Titles, introductions, chapter headings and »living headings« have been written in three languages, German, English, and French. Explanations as to the sources, the numbers of pages, figures, etc., have appeared in the German language where German works are quoted and in Latin for all the foreign works. The abbreviations used are to be taken from the following table:

Latin	German	English	French
ann. = annuus	Jahrg. = Jahrgang	annual publication	année
ed. = editio	Aufl. = Auflage	edition	édition
fig. (figg.) = figura(e)	Abb. = Abbildung(en)	figure	figure, illustration
nr. = numerus	Nr. = Nummer(n) Heft(e)	number	numéro
n. ser. = nova series	n. S. = neue Serie neue Reihe	new series	série nouvelle
p. (pp.) = pagina(e)	S. = Seite(n)	page	page
separ. = separatum	Sdr. = Sonderdruck	special print	tirage à part
tab. = tabula	Taf. = Tafel(n)	plate	planche
tab. col. = tabula colorata	Farbtaf. = Farbtafel(n)	coloured plate	planche en couleurs
tab. geogr. = tabula geographica	Kart. = Karte(n) Landkarte(n)	map	carte
vol. = volumen	Bd. = Band Bde. = Bände	volume	volume, tome

In order to avoid repetition of the quotations of literature, »general parts« have been inserted into the sub-chapters.

Statements of literature on the species of *Morus* and *Salix* have been put at the end of chapter III, 8 »Forest trees«. In the chapter IV, 2b »Biological control« the hyperparasites have not been listed separately, but can be found in the zoological systematical classification.

Texts within cornered brackets serve as more distinct contents of the quotations of literature.

To all those who have contributed to overcoming the often considerable difficulties in completing this bibliography of the literature of plant protection, I give particular thanks.

Berlin-Dahlem, August 1, 1955

Johannes Bärner

Introduction

La »Bibliographie der Pflanzenschutzliteratur« fut publiée dès 1921 par le Oberregierungs-rat Prof. Dr. Morstatt. En 22 volumes, elle compile la littérature spéciale de la période de 1914—1945.

Ce tome contient plus que 12500 titres de l'année 1951. Les volumes qui compileront les travaux à partir de 1946 jusqu'à 1950 ne sont pas encore achevés et suivront ce volume-ci successivement pour combler graduellement la lacune encore existante.

La classification adoptée par Prof. Morstatt est gardée; cependant il était indispensable de spécifier davantage les chapitres les plus volumineux afin de faciliter les travaux désirés dans le matériel considérable. En particulier cette subdivision a été appliquée aux chapitres traitant des champignons pathogènes et des insectes nuisibles. Il a été considéré pratique de reproduire les en-têtes de ces chapitres en latin et de les classer systématiquement. L'ordre alphabétique a été préféré pour les familles et genres dont une classification systématique n'était pas indiquée, par exemple chapitre III, 5 »plantes du commerce« et III, 9 »plantes horticoles«.

Les divisions et chapitres principaux munis de chiffres romains et arabes sont restés inchangés. Ils correspondent toujours à ceux des éditions précédentes de la »Bibliographie der Pflanzenschutzliteratur« afin de faciliter l'enregistrement dans le fichier de la protection des plantes. Celui se trouve à »Biologische Bundesanstalt für Land- und Forstwirtschaft« à Berlin-Dahlem et comporte plus de 300 000 fiches.

Tous les en-têtes figurent sur une table des matières détaillée et pour les recherches de littérature nous recommandons de se servir toujours de cet index. S'y ajoutent les »titres courants« qui suffiront pour une orientation générale.

Les titres, les introductions, les en-têtes et les »titres courants« se trouvent reproduits en allemand, français et anglais. Les renseignements concernant l'indication des sources (numéros des pages, illustrations etc.) figurent en allemand s'il s'agit de publications allemandes et en latin pour les publications étrangères. Les abréviations se trouvent expliquées ci-après:

latin	allemand	français	anglais
ann. = annuus	Jahrg. = Jahrgang	année	annual publication
ed. = editio	Anfl. = Auflage	édition	edition
fig. (figg.) = figura(e)	Abb. = Abbildung(en)	figure, illustration	figure
nr. = numerus	Nr. = Nummer(n) Heft(e)	numéro	number
n. ser. = nova series	n. S. = neue Serie neue Reihe	série nouvelle	new series
p. (pp.) = pagina(e)	S. = Seite(n)	page	page
separ. = separatum	Sdr. = Sonderdruck	tirage à part	special print
tab. = tabula	Taf. = Tafel(n)	planche	plate
tab. col. = tabula colorata	Farbtaf. = Farbtafel(n)	planche en couleurs	coloured plate
tab. geogr. = tabula geographica	Kart. = Karte(n) Landkarte(n)	carte	map
vol. = volumen	Bd. = Band Bde. = Bände	volume, tome	volume

Des chapitres d'un thème général précèdent aussi les subdivisions afin d'éviter des répétitions dans la documentation.

La littérature citée pour les genres *Morus* et *Salix* est traitée à part à la fin du chapitre III, 8 »arbres forestiers«. Les hyperparasites (chapitre IV, 2b »lutte biologique«) n'ont pas été mentionnés séparément mais font partie de la classification zoologique.

Les textes entre crochets précisent le contenu de la littérature citée.

Nous tenons à remercier particulièrement tous ceux qui ont contribué à surmonter les difficultés s'opposant à l'achèvement de la »Bibliographie der Pflanzenschutzliteratur«.

Berlin-Dahlem, 1^{er} août 1955

Johannes Bärner

Inhaltsverzeichnis

I. Allgemeiner Teil

	Seite
1. Sammelwerke und Lehrbücher	1
2. Tätigkeitsberichte und Kongresse	
a) Europa	2
b) Amerika	3
USA	3
c) Asien	4
d) Afrika	4
e) Australien und Südsee	4
3. Bibliographien	4
4. Biographien	5

II. Krankheiten und Ursachen

1. Allgemeine Krankheitslehre	7
a) Pathologische Pflanzenanatomie, Gallen, Teratologie	7
b) Pathologische Pflanzenphysiologie	8
2. Krankheiten mit verschiedenartigen oder unbekannten Ursachen	9
3. Nichtparasitäre Krankheiten	
a) Bodenverhältnisse, Düngung	9
b) Mangelkrankheiten	12
c) Klimatische Einflüsse	14
d) Chemische Einflüsse, Industrieschäden, Schädigung der Pflanzen durch Pflanzenschutzmittel	15
e) Wunden	17
4. Pflanzliche Feinde	
a) Bacteria	18
b) Myxophyta	19
c) Fungi	
Allgemeiner Teil	19
Spezieller Teil	
Archimycetes	21
Phycomycetes	21
Ascomycetes	21
Basidiomycetes	23
Fungi imperfecti	25

	Seite
d) Phanerogamae	27
e) Unkräuter	
Allgemeiner Teil	27
Spezieller Teil	
Anacardiaceae	32
Cactaceae	32
Chenopodiaceae	32
Compositae	33
Convolvulaceae	33
Cruciferae	34
Cyperaceae	34
Euphorbiaceae	34
Gramineae	34
Hypericaceae	35
Leguminosae	35
Pontederiaceae	36
Scrophulariaceae	36
Solanaceae	36
Varia	36
5. Tierische Feinde	
a) Vermes	38
b) Mollusca	39
c) Arthropoda: Acari	40
d) Arthropoda: Hexapoda	
Allgemeiner Teil	40
Apterygota	42
Orthoptera	
Allgemeiner Teil	42
Blattidae, Tettigoniidae	42
Gryllidae	42
Locustidae	42
Forficulidae	46
Isoptera	46
Thysanoptera	47
Heteroptera	47
Homoptera	48
Coleoptera	
Allgemeiner Teil	50
Carabidae	50
Staphylinidae, Nitidulidae	50
Elateridae	50
Buprestidae, Bostrychidae, Cleridae, Dermestidae, Coccinellidae	51
Scarabacidae	51

	Seite
Tenebrionidae	53
Cerambycidae, Bruchidae	53
Chrysomelidae	53
Scolytidae	53
Curculionidae	54
Lepidoptera	54
Diptera	56
Hymenoptera	57
e) Vertebrata	
Aves	59
Mammalia	
Insectivora	60
Rodentia	60
Carnivora	63
Artiodactyla	63
 6. Virus	
a) Allgemeiner Teil	64
b) Virus und Wirtspflanzen	64
c) Identifizierung, Mikroskopie und Reinigung	65
d) Chemische und physikalische Eigenschaften	66
e) Serologische Reaktion	66
f) Übertragung	66
g) Bekämpfung, Inaktivierung und Desinfektion	67
h) Nomenklatur	68

III. Krankheiten und Wirtspflanzen

1. Vegetation und Kulturpflanzen im allgemeinen. Übersicht über das Auftreten von Pflanzenkrankheiten und Schädlingen	
a) Übersichten	
Europa	69
Amerika — Asien — Afrika — Australien	71
b) Einzelne Gruppen von Krankheiten und Schädlingen	73
 2. Getreide	
a) Allgemeiner Teil	75
b) Nichtparasitäre Krankheiten	77

	Seite
c) Pflanzliche Feinde	
Allgemeiner Teil	78
Bacteria	78
Fungi	
Allgemeiner Teil	78
Phycomycetes	79
Ascomycetes	79
Basidiomycetes	80
Fungi imperfecti	85
Saatgutbeizung	87
Unkräuter	88
d) Tierische Feinde	
Allgemeiner Teil	90
Vermes	91
Arthropoda	
Hexapoda	
Allgemeiner Teil	91
Orthoptera	91
Thysanoptera	91
Heteroptera	92
Homoptera	92
Coleoptera	92
Lepidoptera	93
Diptera	95
Hymenoptera	96
Arachnoidea	96
Vertebrata	97
e) Virus	97

3. Kartoffeln und Rüben

a) Kartoffeln	
Allgemeiner Teil	97
Nichtparasitäre Krankheiten	99
Pflanzliche Feinde	100
Phytophthora infestans	102
Synchytrium endobioticum	104
Unkräuter	104
Tierische Feinde	104
Nematodes	105
Leptinotarsa decemlineata	106
Virus	109

	Seite
b) Rüben	
Allgemeiner Teil	112
Pflanzliche Feinde	113
Unkräuter	114
Tierische Feinde	114
Virus	116
 4. Hülsenfrüchte und Gräser	
a) Allgemeiner Teil	117
b) Hülsenfrüchte	
Lens, Phaseolus, Pisum, Soja	
Allgemeiner Teil	117
Nichtparasitäre Krankheiten	118
Pflanzliche Feinde	118
Unkräuter	120
Tierische Feinde	121
Virus	122
Cicer, Lathyrus, Lespedeza, Lotus, Lupinus, Medicago, Onobrychis, Ornithopus, Trifolium, Vicia	
Allgemeiner Teil	123
Nichtparasitäre Krankheiten	124
Pflanzliche Feinde	124
Unkräuter	125
Tierische Feinde	125
Virus	127
c) Gräser	
Allgemeiner Teil	128
Nichtparasitäre Krankheiten	128
Pflanzliche Feinde	128
Unkräuter	129
Tierische Feinde	130
Virus	131
 5. Handelspflanzen	
a) Tabak	
Allgemeiner Teil	132
Nichtparasitäre Krankheiten	132
Pflanzliche Feinde	132
Tierische Feinde	134
Virus	135
b) Faserpflanzen	136
c) Hopfen	137

	Seite
d) Ölpflanzen	
Allgemeiner Teil	138
Spezieller Teil	
Brassica, Sinapis	138
Helianthus	139
Linum usitatissimum = III 5 b	136
Olea	139
Papaver	141
e) Gemüsepflanzen	
Allgemeiner Teil	141
Nichtparasitäre Krankheiten	142
Pflanzliche Feinde	142
Tierische Feinde	143
Spezieller Teil	
Allium	144
Apium graveolens	145
Asparagus officinalis	146
Beta	146
Brassica	
Allgemeiner Teil	146
Nichtparasitäre Krankheiten	146
Pflanzliche Feinde	147
Tierische Feinde	147
Virus	149
Capsicum	149
Cichorium	149
Citrullus, Cucumis, Cucurbita	149
Daucus carota	151
Lactuca sativa	151
Raphanus sativus	152
Solanum esculentum, S. lycopersicum (Lycopersicon esculentum), S. melongena	
Allgemeiner Teil	152
Nichtparasitäre Krankheiten	153
Pflanzliche Feinde	153
Tierische Feinde	156
Virus	156
Spinacia oleracea	157
f) Arznei- und Gewürzpflanzen	157
g) Varia	157
6. Obst	
a) Allgemeiner Teil	158

	Seite
b) Nichtparasitäre Krankheiten	159
c) Pflanzliche Feinde	161
d) Tierische Feinde	
Allgemeiner Teil	163
Nematodes	163
Homoptera	163
Aspidiotus perniciosus	164
Coleoptera	165
Lepidoptera	165
Diptera	166
Hymenoptera	166
Acari	167
Vertebrata	168
e) Virus	168
f) Schädlingsbekämpfung bei Obstbäumen	168
g) Spezieller Teil	
Steinobst	
Allgemeiner Teil	173
Nichtparasitäre Krankheiten	174
Pflanzliche Feinde	174
Tierische Feinde	176
Virus	179
Kernobst	
Allgemeiner Teil	181
Nichtparasitäre Krankheiten	182
Pflanzliche Feinde	184
Venturia (Fusicladium)	186
Tierische Feinde	187
Carpocapsa (Cydia, Laspeyresia)	190
Virus	191
Beerenobst	
Allgemeiner Teil	191
Nichtparasitäre Krankheiten	192
Pflanzliche Feinde	192
Tierische Feinde	193
Virus	195
Schalenobst	
Allgemeiner Teil	196
Nichtparasitäre Krankheiten	196
Pflanzliche Feinde	198
Tierische Feinde	199
Virus	202
Carya, Castanea, Corylus, Juglans, Prunus amygdalus	204
h) Varia	206

	Seite
7. Weinrebe	
a) Allgemeiner Teil	207
b) Nichtparasitäre Krankheiten	208
c) Pflanzliche Feinde	209
d) Tierische Feinde	212
Dactylosphaera vitifolii = Viteus vitifolii (Phylloxera vastatrix = Ph. vitifolii)	213
e) Virus	214
8. Forstgehölze, Nutzhölzer, Holzerstörer und Holzschutz	
a) Allgemeiner Teil	215
b) Nichtparasitäre Krankheiten	
Klimaeinflüsse	218
Bodeneinflüsse und chemische Einflüsse	220
Waldbrände	220
c) Pflanzliche Feinde	
Bacteria	224
Fungi	
Allgemeiner Teil	225
Phycomycetes	226
Ascomycetes	226
Basidiomycetes	227
Fungi imperfecti	229
Varia	231
Unkräuter	232
d) Tierische Feinde	
Allgemeiner Teil	233
Vermes	234
Arthropoda: Hexapoda, Arachnoidea	
Allgemeiner Teil	234
Orthoptera, Isoptera	237
Thysanoptera, Heteroptera	237
Homoptera	237
Coleoptera	
Allgemeiner Teil	238
Carabidae, Lymexylidae, Buprestidae	238
Coccinellidae, Bostrychidae	238
Anobiidae	238
Scarabaeidae	239
Cerambycidae	239
Chrysomelidae	240
Platypodidae	240
Curculionidae	240
Scolytidae	241

	Seite
Lepidoptera	243
Diptera	245
Hymenoptera	245
Acari	246
Vertebrata	247
e) Ulmensterben	248
f) Virus	249
g) Holzschutz	249
h) Salix	255
i) Morus	255

9. Zierpflanzen, Garten- und Gewächshauspflanzen

a) Allgemeiner Teil	255
b) Spezieller Teil	
Amaryllidaceae	258
Araceae	258
Begoniaceae	258
Campanulaceae	258
Caryophyllaceae	258
Compositae	259
Cucurbitaceae	260
Ericaceae	260
Euphorbiaceae	260
Geraniaceae	261
Gesneriaceae	261
Iridaceae	261
Liliaceae	262
Malvaceae	262
Oleaceae	262
Orchidaceae	263
Primulaceae	263
Ranunculaceae	264
Rosaceae	264
Saxifragaceae	265
Scrophulariaceae	265
Solanaceae	265
Theaceae	265
Tropaeolaceae	265
Violaceae	265
Varia	265

	Seite
10. Tropische Nutzpflanzen	
a) Allgemeiner Teil	266
b) Baumwolle	
Allgemeiner Teil	267
Nichtparasitäre Krankheiten	267
Pflanzliche Feinde	267
Unkräuter	268
Tierische Feinde	269
Anthonomus grandis	271
Platyedra (Pectinophora) gossypiella	272
Virus	272
c) Erdnuß	272
d) Kakao	273
e) Kaffee	274
f) Kautschuk	275
g) Knollengewächse	276
h) Kokosnuß und andere Palmen	277
i) Nutzhölzer	278
k) Obst	279
l) Tee	281
m) Zuckerrohr	
Allgemeiner Teil	282
Nichtparasitäre Krankheiten	282
Pflanzliche Feinde	283
Unkräuter	283
Tierische Feinde	284
Virus	285
n) Varia	286
11. Vorratsschutz	
a) Allgemeiner Teil	287
b) Kartoffeln und Rüben	289
c) Getreide	290
d) Hülsenfrüchte	294
e) Obst und Gemüse	294
f) Tabak	296
g) Holz und Papier	296
h) Textilien	301
i) Varia	302
12. Krankheiten nicht kultivierter Pflanzen und der Kryptogamen	303

IV. Maßnahmen des Pflanzenschutzes

Allgemeiner Teil	305
1. Pflanzenhygiene	
a) Einfluß der Umgebung, insbesondere des Klimas, auf Pflanzenkrankheiten: Phänologie der Parasiten	306
b) Prädisposition, Immunität und Resistenz	306
c) Kulturmethode (Bodenbearbeitung, Düngung usw.)	307
d) Überwachung, Wanderung und Verschleppung von Krankheiten, Saaten- anerkennung	309
2. Pflanzentherapie	
a) Untersuchungs- und Bekämpfungstechnik	
Allgemeiner Teil	312
Spritzung, Bestäubung und Räucherung	313
Saatgutbehandlung	314
Bodendesinfektion	315
b) Biologische Bekämpfung	
Allgemeiner Teil	317
Natürliche Feinde der Pflanzenschädlinge	
Bacteria, Myxomycetes	320
Fungi	320
Mollusca, Arthropoda	321
Vertebrata	325
Virus	326
Vogelschutz	327
Biologische Unkrautbekämpfung	327
c) Chemische Bekämpfung	
Allgemeiner Teil	328
Fungizide im allgemeinen	331
Insektizide im allgemeinen	333
Herbizide im allgemeinen	337
Pflanzenschutzmittelprüfung im allgemeinen	341
Kupferverbindungen	343
Quecksilberverbindungen	343
Arsenverbindungen	343
Schwefelverbindungen	343
Phosphorverbindungen	344
Zyanverbindungen	346
Halogenverbindungen	346
Pflanzenstoffe	351
Hormone	354
Varia	356
d) Physikalische und mechanische Mittel, Geräte	359
e) Schädigungen durch Pflanzenschutzmittel	363

	Seite
3. Förderung und Organisation des Pflanzenschutzes	368
4. Gesetzgebung und Verwaltung im Pflanzenschutz	370
5. Statistik über die Verbreitung von Pflanzenkrankheiten und Schädlingen (Kosten und Rentabilität)	371
Autorenverzeichnis	373

Contents

	Page
I. General part	
1. Collective works and textbooks	1
2. Reports of activity and congresses	
a) Europe	2
b) America	3
USA	3
c) Asia	4
d) Africa	4
e) Australia and South-Sea	4
3. Bibliographies	4
4. Biographies	5
II. Diseases and causes	
1. General pathology	7
a) Pathological anatomy of plants, galls, teratology	7
b) Pathological plant physiology	8
2. Diseases with various or unknown causes	9
3. Diseases not caused by parasites	
a) Soil conditions, manuring	9
b) Deficiency diseases	12
c) Climatic influences	14
d) Chemical influences, industrial damage, damage caused by pest control materials	15
e) Wounds	17
4. Vegetal parasites	
a) Bacteria	18
b) Myxophyta	19
c) Fungi	
General part	19
Special part	
Archimycetes	21
Phycomycetes	21
Ascomycetes	21
Basidiomycetes	23
Fungi imperfecti	25

	Page
d) Phanerogamae	27
e) Weeds	
General part	27
Special part	
Anacardiaceae	32
Cactaceae	32
Chenopodiaceae	32
Compositae	33
Convolvulaceae	33
Cruciferae	34
Cyperaceae	34
Euphorbiaceae	34
Gramineae	34
Hypericaceae	35
Leguminosae	35
Pontederiaceae	36
Scrophulariaceae	36
Solanaceae	36
Varia	36
5. Animal parasites	
a) Vermes	38
b) Mollusca	39
c) Arthropoda: Acari	40
d) Arthropoda: Hexapoda	
General part	40
Apterygota	42
Orthoptera	
General part	42
Blattidae, Tettigoniidae	42
Gryllidae	42
Locustidae	42
Forficulidae	46
Isoptera	46
Thysanoptera	47
Heteroptera	47
Homoptera	48
Coleoptera	
General part	50
Carabidae	50
Staphylinidae, Nitidulidae	50
Elateridae	50
Buprestidae, Bostrychidae, Cleridae, Dermestidae, Coccinellidae	51
Scarabaeidae	51

	Page
Tenebrionidae	53
Cerambycidae, Bruchidae	53
Chrysomelidae	53
Scolytidae	53
Curculionidae	54
Lepidoptera	55
Diptera	56
Hymenoptera	57
e) Vertebrata	
Aves	59
Mammalia	
Insectivora	60
Rodentia	60
Carnivora	63
Artiodactyla	63
6. Virus	
a) General part	64
b) Virus and host plants	64
c) Identification, microscopy and purification	65
d) Chemical and physical properties	66
e) Serological reaction	66
f) Transmission	66
g) Control measures, inaction and disinfection	67
h) Nomenclature	68

III. Diseases and host plants

1. Vegetation and cultivated plants in general. Survey of the incidence of plant diseases and parasites	
a) Surveys	
Europe	69
America — Asia — Africa — Australia	71
b) Single groups of diseases and parasites	73
2. Cereals	
a) General part	75
b) Diseases not caused by parasites	77

	Page
c) Vegetal parasites	
General part	78
Bacteria	78
Fungi	
General part	78
Phycomycetes	79
Ascomycetes	79
Basidiomycetes	80
Fungi imperfecti	85
Seed disinfection	87
Weeds	88
d) Animal parasites	
General part	90
Vermes	91
Arthropoda	
Hexapoda	
General part	91
Orthoptera	91
Thysanoptera	91
Heteroptera	92
Homoptera	92
Coleoptera	92
Lepidoptera	93
Diptera	95
Hymenoptera	96
Arachnoidea	96
Vertebrata	97
e) Virus	97

3. Potatoes and beets

a) Potatoes	
General part	97
Diseases not caused by parasites	99
Vegetal parasites	100
Phytophthora infestans	102
Synchytrium endobioticum	104
Weeds	104
Animal parasites	104
Nematodes	105
Leptinotarsa decemlineata	106
Virus	109

	Page
b) Beets	
General part	112
Vegetal parasites	113
Weeds	114
Animal parasites	114
Virus	116
4. Legumes and grasses	
a) General part	117
b) Legumes	
Lens, Phaseolus, Pisum, Soja	
General part	117
Diseases not caused by parasites	118
Vegetal parasites	118
Weeds	120
Animal parasites	121
Virus	122
Cicer, Lathyrus, Lespedeza, Lotus, Lupinus, Medicago, Onobrychis, Ornithopus, Trifolium, Vicia	
General part	123
Diseases not caused by parasites	124
Vegetal parasites	124
Weeds	125
Animal parasites	125
Virus	127
c) Grasses	
General part	128
Diseases not caused by parasites	128
Vegetal parasites	128
Weeds	129
Animal parasites	130
Virus	131
5. Commercial plants	
a) Tobacco	
General part	132
Diseases not caused by parasites	132
Vegetal parasites	132
Animal parasites	134
Virus	135
b) Fibre-plants	136
c) Hop	137

	Page
d) Oleiferous plants	
General part	138
Special part	
Brassica, Sinapis	138
Helianthus	139
Linum usitatissimum = III 5 b	136
Olea	139
Papaver	141
e) Vegetables	
General part	141
Diseases not caused by parasites	142
Vegetal parasites	142
Animal parasites	143
Special part	
Allium	144
Apium graveolens	145
Asparagus officinalis	146
Beta	146
Brassica	
General part	146
Diseases not caused by parasites	146
Vegetal parasites	147
Animal parasites	147
Virus	149
Capsicum	149
Cichorium	149
Citrullus, Cucumis, Cucurbita	149
Daucus carota	151
Lactuca sativa	151
Raphanus sativus	152
Solanum esculentum, S. lycopersicum (Lycopersicon esculentum), S. melongena	
General part	152
Diseases not caused by parasites	153
Vegetal parasites	153
Animal parasites	156
Virus	156
Spinacia oleracea	157
f) Medicinal plants and spices	157
g) Varia	157
6. Fruits	
a) General part	158

	Page
b) Diseases not caused by parasites	159
c) Vegetal parasites	161
d) Animal parasites	
General part	163
Nematodes	163
Homoptera	163
Aspidiotus perniciosus	164
Coleoptera	165
Lepidoptera	165
Diptera	166
Hymenoptera	166
Acari	167
Vertebrata	168
e) Virus	168
f) Fruit-trees protection	168
g) Special part	
Stone fruits	
General part	173
Diseases not caused by parasites	174
Vegetal parasites	174
Animal parasites	176
Virus	179
Pip fruits	
General part	181
Diseases not caused by parasites	182
Vegetal parasites	184
Venturia (Fusicladium)	186
Animal parasites	187
Carpocapsa (Cydia Laspeyresia)	190
Virus	191
Bacciform fruits	
General part	191
Diseases not caused by parasites	192
Vegetal parasites	192
Animal parasites	193
Virus	195
Shell fruits	
General part	196
Diseases not caused by parasites	196
Vegetal parasites	198
Animal parasites	199
Virus	202
Carya, Castanea, Corylus, Juglans, Prunus amygdalus	204
h) Varia	206

	Page
7. Grape-vine	
a) General part	207
b) Diseases not caused by parasites	208
c) Vegetal parasites	209
d) Animal parasites	212
Dactylospheara vitifolii = Viteus vitifolii (Phylloxera vastatrix = Ph. vitifolii)	213
e) Virus	214
8. Forest trees, timbers, parasites of wood and wood preservation	
a) General part	215
b) Diseases not caused by parasites	
Climatic influence	218
Soil and chemical influences	220
Forest fires	220
c) Vegetal parasites	
Bacteria	224
Fungi	
General part	225
Phycomycetes	226
Ascomycetes	226
Basidiomycetes	227
Fungi imperfecti	229
Varia	231
Weeds	232
d) Animal parasites	
General part	233
Vermes	234
Arthropoda: Hexapoda, Arachnoidea	
General part	234
Orthoptera, Isoptera	237
Thysanoptera, Heteroptera	237
Homoptera	237
Coleoptera	
General part	238
Carabidae, Lymexylidae, Buprestidae	238
Coccinellidae, Bostrychidae	238
Anobiidae	238
Scarabaeidae	239
Cerambycidae	239
Chrysomelidae	240
Platypodidae	240
Curculionidae	240
Scolytidae	241

	Page
Lepidoptera	243
Diptera	245
Hymenoptera	245
Acari	246
Vertebrata	247
e) Dutch elm disease	248
f) Virus	249
g) Wood preservation	249
h) Salix	255
i) Morus	255

9. Ornamental plants, garden and greenhouse plants

a) General part	255
b) Special part	
Amaryllidaceae	258
Araceae	258
Begoniaceae	258
Campanulaceae	258
Caryophyllaceae	258
Compositae	259
Cucurbitaceae	260
Ericaceae	260
Euphorbiaceae	260
Geraniaceae	261
Gesneriaceae	261
Iridaceae	261
Liliaceae	262
Malvaceae	262
Oleaceae	262
Orchidaceae	263
Primulaceae	263
Ranunculaceae	264
Rosaceae	264
Saxifragaceae	265
Scrophulariaceae	265
Solanaceae	265
Theaceae	265
Tropaeolaceae	265
Violaceae	265
Varia	265

	Page
10. Tropical commercial plants	
a) General part	266
b) Cotton	
General part	267
Diseases not caused by parasites	267
Vegetal parasites	267
Weeds	268
Animal parasites	269
Anthonomus grandis	271
Platyedra (Pectinophora) gossypiella	272
Virus	272
c) Peanut (Groundnut)	272
d) Cacao	273
e) Coffee	274
f) Caoutchouc	275
g) Tuberous plants	276
h) Coco-nut and other palms	277
i) Timbers	278
k) Fruits	279
l) Tea	281
m) Sugar-cane	
General part	282
Diseases not caused by parasites	282
Vegetal parasites	283
Weeds	283
Animal parasites	284
Virus	285
n) Varia	286
11. Storage protection	
a) General part	287
b) Potatoes and beets	289
c) Cereals	290
d) Legumes	294
e) Fruits and vegetables	294
f) Tobacco	296
g) Wood and paper	296
h) Textiles	301
i) Varia	302
12. Diseases of uncultivated plants and cryptogams	303

IV. Measures of plant protection

Page

General part	305
1. Plants hygiene	
a) Environment influences, specially of the climate, on plant diseases: phenology of parasites	306
b) Predisposition, immunity and resistance	306
c) Cultivation methods (cultivation of the soil, manuring etc.)	307
d) Control, wandering and spreading of plant diseases, seed-inspection	309
2. Plant therapeutics	
a) Methods of examination and technics of disease control	
General part	312
Sprays, dusts and fumigation	313
Seed treatment	314
Soil disinfection	315
b) Biological control	
General part	317
Natural enemies of plant parasites	
Bacteria, Myxomycetes	320
Fungi	320
Mollusca, Arthropoda	321
Vertebrata	325
Virus	326
Bird protection	327
Biological control of weeds	327
c) Control by chemicals	
General part	328
Fungicides in general	331
Insecticides in general	333
Herbicides in general	337
Testing of pesticides in general	341
Copper derivatives	343
Mercury derivatives	343
Arsenic derivatives	343
Sulfur derivatives	343
Phosphorus derivatives	344
Cyanides	346
Halogen derivatives	346
Vegetal matter	351
Hormones	354
Varia	356
d) Physical and mechanical means, machines	359
e) Damages by plant parasitocides	363

	Page
3. Advancement and organization of the plant protection ...	368
4. Legislation and administration of plant protection	370
5. Statistics of the incidence of plant diseases and parasites (costs and profitableness)	371
Index of authors	373

Table des matières

	Page
I. Partie générale	
1. Encyclopédies et livres d'instruction	1
2. Rapports d'activité et congrès	
a) Europe	2
b) Amérique	3
USA	3
c) Asie	4
d) Afrique	4
e) Australie et Mer du Sud	4
3. Bibliographies	4
4. Biographies	5
II. Maladies et leurs causes	
1. Pathologie générale	7
a) Anatomie pathologique des plantes, galles, tératologie	7
b) Physiologie pathologique des plantes	8
2. Maladies de cause diverse ou inconnue	9
3. Maladies non parasitaires	
a) Conditions du sol, engrais	9
b) Maladies provoquées par manque de nourriture	12
c) Influence du climat	14
d) Influences chimiques, dégâts causés par l'industrie et des parasitocides ..	15
e) Blessures	17
4. Parasites végétaux	
a) Bacteria	18
b) Myxophyta	19
c) Fungi	
Partie générale	19
Partie spéciale	
Archimycetes	21
Phycomycetes	21
Ascomycetes	21
Basidiomycetes	23
Fungi imperfecti	25

	Page
d) Phanerogamae	27
e) Mauvaises herbes	
Partie générale	27
Partie spéciale	
Anacardiaceae	32
Cactaceae	32
Chenopodiaceae	32
Compositae	33
Convolvulaceae	33
Cruciferae	34
Cyperaceae	34
Euphorbiaceae	34
Gramineae	34
Hypericaceae	35
Leguminosae	35
Pontederiaceae	36
Scrophulariaceae	36
Solanaceae	36
Varia	36
5. Parasites animaux	
a) Vermes	38
b) Mollusca	39
c) Arthropoda: Acari	40
d) Arthropoda: Hexapoda	
Partie générale	40
Apterygota	42
Orthoptera	
Partie générale	42
Blattidae, Tettigoniidae	42
Gryllidae	42
Locustidae	42
Fórficulidae	46
Isoptera	46
Thysanoptera	47
Heteroptera	47
Homoptera	48
Coleoptera	
Partie générale	50
Carabidae	50
Staphylinidae, Nitidulidae	50
Elateridae	50
Buprestidae, Bostrychidae, Cleridae, Dermestidae, Coccinellidae	51
Scarabaeidae	51

	Page
Tenebrionidae	53
Cerambycidae, Bruchidae	53
Chrysomelidae	53
Scolytidae	53
Curculionidae	54
Lepidoptera	55
Diptera	56
Hymenoptera	57
e) Vertebrata	
Aves	59
Mammalia	
Insectivora	60
Rodentia	60
Carnivora	63
Artiodactyla	63

6. Virus

a) Partie générale	64
b) Virus et plantes attaquées	64
c) Identification, microscopie et purification	65
d) Caractères chimiques et physiques	66
e) Réaction sérologique	66
f) Transmission	66
g) Lutte contre les maladies à virus, inactivation et désinfection	67
h) Nomenclature	68

III. Maladies et plantes attaquées

1. Végétation et plantes cultivées en général. Résumé de la fréquence des maladies végétales et de leurs parasites

a) Résumés	
Europe	69
Amérique — Asie — Afrique — Australie	71
b) Groupes spéciaux de maladies et de parasites	73

2. Céréales

a) Partié générale	75
b) Maladies non parasitaires	77

	Page
c) Parasites végétaux	
Partie générale	78
Bacteria	78
Fungi	
Partie générale	78
Phycomycetes	79
Ascomycetes	79
Basidiomycetes	80
Fungi imperfecti	85
Désinfection de semences	87
Mauvaises herbes	88
d) Parasites animaux	
Partie générale	90
Vermes	91
Arthropoda	
Hexapoda	
Partie générale	91
Orthoptera	91
Thysanoptera	91
Heteroptera	92
Homoptera	92
Coleoptera	92
Lepidoptera	93
Diptera	95
Hymenoptera	96
Arachnoidea	96
Vertebrata	97
e) Virus	97

3. Pommes de terre et betteraves

a) Pommes de terre

Partie générale	97
Maladies non parasitaires	99
Parasites végétaux	100
Phytophthora infestans	102
Synchytrium endobioticum	104
Mauvaises herbes	104
Parasites animaux	104
Nematodes	105
Leptinotarsa decemlineata	106
Virus	109

	Page
b) Betteraves	
Partie générale	112
Parasites végétaux	113
Mauvaises herbes	114
Parasites animaux	114
Virus	116
 4. Légumineuses et graminées	
a) Partie générale	117
b) Légumineuses	
Lens, Phaseolus, Pisum, Soja	
Partie générale	117
Maladies non parasitaires	118
Parasites végétaux	118
Mauvaises herbes	120
Parasites animaux	121
Virus	122
Cicer, Lathyrus, Lespedeza, Lotus, Lupinus, Medicago, Onobrychis, Ornithopus, Trifolium, Vicia	
Partie générale	123
Maladies non parasitaires	124
Parasites végétaux	124
Mauvaises herbes	125
Parasites animaux	125
Virus	127
c) Graminées	
Partie générale	128
Maladies non parasitaires	128
Parasites végétaux	128
Mauvaises herbes	129
Parasites animaux	130
Virus	131
 5. Plantes du commerce	
a) Tabac	
Partie générale	132
Maladies non parasitaires	132
Parasites végétaux	132
Parasites animaux	134
Virus	135
b) Plantes à fibres	136
c) Houblon	137

	Page
d) Plantes oléifères	
Partie générale	138
Partie spéciale	
Brassica, Sinapis	138
Helianthus	139
Linum usitatissimum = III 5 b	136
Olea	139
Papaver	141
e) Plantes maraîchères	
Partie générale	141
Maladies non parasitaires	142
Parasites végétaux	142
Parasites animaux	143
Partie spéciale	
Allium	144
Apium graveolens	145
Asparagus officinalis	146
Beta	146
Brassica	
Partie générale	146
Maladies non parasitaires	146
Parasites végétaux	147
Parasites animaux	147
Virus	149
Capsicum	149
Cichorium	149
Citrullus, Cucumis, Cucurbita	149
Daucus carota	151
Lactuca sativa	151
Raphanus sativus	152
Solanum esculentum, S. lycopersicum (Lycopersicon esculentum), S. melongena	
Partie générale	152
Maladies non parasitaires	153
Parasites végétaux	153
Parasites animaux	156
Virus	156
Spinacia oleracea	157
f) Plantes médicinales et aromatique	157
g) Varia	157
6. Fruits	
a) Partie générale	158

	Page
b) Maladies non parasitaires	159
c) Parasites végétaux	161
d) Parasites animaux	
Partie générale	163
Nematodes	163
Homoptera	163
Aspidiotus perniciosus	164
Coleoptera	165
Lepidoptera	165
Diptera	166
Hymenoptera	166
Acari	167
Vertebrata	168
e) Virus	168
f) Lutte contre les parasites des arbres fruitiers	168
g) Partie spéciale	
Fruits à noyaux	
Partie générale	173
Maladies non parasitaires	174
Parasites végétaux	174
Parasites animaux	176
Virus	179
Fruits à pépins	
Partie générale	181
Maladies non parasitaires	182
Parasites végétaux	184
Venturia (Fusicladium)	186
Parasites animaux	187
Carpocapsa (Cydia, Laspeyresia)	190
Virus	191
Baies	
Partie générale	191
Maladies non parasitaires	192
Parasites végétaux	192
Parasites animaux	193
Virus	195
Fruits à coques	
Partie générale	196
Maladies non parasitaires	196
Parasites végétaux	198
Parasites animaux	199
Virus	202
Carya, Castanea, Corylus, Juglans, Prunus amygdalus	204
h) Varia	206

	Page
7. Vigne	
a) Partie générale	207
b) Maladies non parasitaires	208
c) Parasites végétaux	209
d) Parasites animaux	212
Dactylospheera vitifolii = Vitens vitifolii (Phylloxera vastatrix = Ph. vitifolii)	213
e) Virus	214
8. Arbres forestiers, bois d'œuvre parasites et protection du bois	
a) Partie générale	215
b) Maladies non parasitaires	
Influence du climat	218
Influence du sol et influences chimiques	220
Incendies de forêts	220
c) Parasites végétaux	
Bacteria	224
Fungi	
Partie générale	225
Phycomycetes	226
Ascomycetes	226
Basidiomycetes	227
Fungi imperfecti	229
Varia	231
Mauvaises herbes	232
d) Parasites animaux	
Partie générale	233
Vermes	234
Arthropoda: Hexapoda, Arachnoidea	
Partie générale	234
Orthoptera, Isoptera	237
Thysanoptera, Heteroptera	237
Homoptera	237
Coleoptera	
Partie générale	238
Carabidae, Lymexylidae, Buprestidae	238
Coccinellidae, Bostrychidae	238
Anobiidae	238
Scarabaeidae	239
Cerambycidae	239
Chrysomelidae	240
Platypodidae	240
Curculionidae	240
Scolytidae	241

	Page
Lepidoptera	243
Diptera	245
Hymenoptera	245
Acari	246
Vertebrata	247
e) Maladie hollandaise des ormes	248
f) Virus	249
g) Protection du bois	249
h) Salix	255
i) Morus	255

9. Plantes horticoles, plantes de décoration et de serre

a) Partie générale	255
b) Partie spéciale	
Amaryllidaceae	258
Araceae	258
Begoniaceae	258
Campanulaceae	258
Caryophyllaceae	258
Compositae	259
Cucurbitaceae	260
Ericaceae	260
Euphorbiaceae	260
Geraniaceae	261
Gesneriaceae	261
Iridaceae	261
Liliaceae	262
Malvaceae	262
Oleaceae	262
Orchidaceae	263
Primulaceae	263
Ranunculaceae	264
Rosaceae	264
Saxifragaceae	265
Scrophulariaceae	265
Solanaceae	265
Theaceae	265
Tropaeolaceae	265
Violaceae	265
Varia	265

	Page
10. Plantes tropicales du commerce	
a) Partie générale	266
b) Coton	
Partie générale	267
Maladies non parasitaires	267
Parasites végétaux	267
Mauvaises herbes	268
Parasites animaux	269
Anthonomus grandis	271
Platyedra (Pectinophora) gossypiella	272
Virus	272
c) Arachide	272
d) Cacao	273
e) Café	274
f) Caoutchouc	275
g) Plantes à tubercules	276
h) Cocotier et autres palmiers	277
i) Bois d'œuvre	278
k) Fruits	279
l) Thé	281
m) Canne à sucre	
Partie générale	282
Maladies non parasitaires	282
Parasites végétaux	283
Mauvaises herbes	283
Parasites animaux	284
Virus	285
n) Varia	286
11. Protection des stocks	
a) Partie générale	287
b) Pommes de terre et betteraves	289
c) Céréales	290
d) Légumineuses	294
e) Fruit et plantes maraîchères	294
f) Tabac	296
g) Bois d'œuvre et papier	296
h) Textiles	301
i) Varia	302
12. Maladies des plantes non cultivées et des cryptogames	303

IV. Principes de la protection des plantes

Partie générale	305
-----------------------	-----

1. Hygiène des plantes

a) Influence du milieu extérieur, surtout du climat, sur les maladies des plantes: phénologie des parasites	306
b) Prédisposition, l'immunité et résistance	306
c) Méthodes de cultivation (cultivation du sol, engrais etc.)	307
d) Surveillance, migration et importation des maladies végétales, inspection des semences	309

2. Thérapeutique des plantes

a) Méthodes de recherche et technique de la lutte contre les maladies	
Partie générale	312
Pulvérisation, poudrage et fumigation	313
Traitement de semences	314
Désinfection du sol	315
b) Lutte biologique	
Partie générale	317
Ennemis naturels des parasites des plantes	
Bacteria, Myxomycetes	320
Fungi	320
Mollusca, Arthropoda	321
Vertebrata	325
Virus	326
Protection des oiseaux	327
Lutte biologique contre les mauvaises herbes	327
c) Lutte par des produits chimiques	
Partie générale	328
Fongicides en général	331
Insecticides en général	333
Herbicides en général	337
Contrôle des produits antiparasitaires en général	341
Dérivés du cuivre	343
Dérivés du mercure	343
Dérivés de l'arsenic	343
Dérivés du soufre	343
Dérivés du phosphore	344
Cyanures	346
Dérivés des halogènes	346
Substances végétales	351
Hormones	354
Varia	356
d) Moyens physique et mécaniques, outillage	359
e) Dégâts provoqués sur les plantes par des parasitocides	363

	Page
3. Avancement et organisation de la protection des plantes . .	368
4. Législation et administration pour la protection des plantes	370
5. Statistique de la fréquence des maladies végétales et de leurs parasites (frais et avantage)	371
Index alphabétique des auteurs	373

I. Allgemeiner Teil

General part — Partie générale

1. Sammelwerke und Lehrbücher

Collective works and textbooks — Encyclopédies et livres d'instruction

- Bailey, St. F., and Smith, L. M.**, Handbook of agricultural pest control. Ind. Publications, Inc., New York 1951. 191 p.
- Clifton, C. E., Raffel, S., and Barker, H. A.**, Annual review of microbiology. 5. Ann. Rev., Stanford (Calif.) 1951. IX+379 p., 3 fig., 1 tab.
- Drees, H.**, Kleines Pflanzenschutz-Lexikon. Kommentator, GmbH., Frankfurt a. M. 1951. 132 S., zahlr. Abb.
- Frear, D. E. H.**, Pesticide handbook. Pennsylv. State Coll. 1951. 158 p.
- Frickhinger, H. W.**, Schädlingbekämpfung für jedermann. Franz Ehrenwirth Verlag, München 1951. 5. Aufl., 296 S., 204 Abb.
- Fukuda, N.**, Yobo kujo, kaju gaichu. (Plant protection and parasitic insects on fruit trees.) Asakura Shoten, Tokyo 1951. 357 p.
- Gäumann, E.**, Pflanzliche Infektionslehre. Lehrbuch der allgemeinen Pflanzenpathologie für Biologen, Landwirte, Förster und Pflanzenzüchter. Verlag Birkhäuser, Basel 1951. 2. Aufl., 681 S., 467 Abb.
- Gardner, V. R.**, Basic horticulture. [insects, diseases and weeds.] Macmillan Comp., New York 1951. 465 p., 183 fig.
- Hemmi, T.**, Shokubutsu byorigaku hanron. (Plant pathology.) Iwanami-shoten, Tokyo 1951. 231 p.
- Hori, S., and Iijima, K.**, Engai byo, gai-chu no fusegikata. (Protection of plants from injuries insects and diseases.) Seibundo Shinkosha, Tokyo 1951. 379 p.
- Küster, E.**, Die Pflanzenzelle. Vorlesungen über normale und pathologische Zytomorphologie und Zytogenese. G. Fischer, Jena 1951. 2. Aufl., 866 S., 442 Abb.
- Leroux, D.**, Engrais, amendements, produits pour la protection des cultures. Vol. I. Gauthier-Villars, Paris 1951. VI+387 p., 20 fig., 42 tab.
- Limasset, P., et Darpoux, H.**, Principes de pathologie végétale. Dunod, Paris 1951. 2. ed., 334 p., 148 fig.
- McClean, R. C., and Ivey-Cook, W. R.**, Textbook of theoretical botany. Volume one. Longmans, Green & Co., London 1951. XV+1069 p., 1043 fig., 3 tab. geogr.
- Maier-Bode, F. W.**, Der praktische Pflanzenarzt. Bd. 1: Feldbau, Wiesen und Weiden, Sonderkulturen, Vorratsschutz und hygienische Schädlinge. Bd. 2: Gemüsebau und Gemüsegarten, Obstanlagen und Obstgärten, Beerenkulturen, Weinbau, Vogelfraß und Vogelschutz. Verlag Kommentator, GmbH., Frankfurt a. M. 1951. 230 S., 70 Abb., 3 Farbtaf., u. 253 S., 68 Abb., 5 Farbtaf.
- Müller-Lenhartz, W.**, Die Fortschritte der Landwirtschaftswissenschaft unter dem Einflusse der Entwicklung der Naturwissenschaften. Akad. Verlages. Geest & Portig K.-G., Leipzig 1951. 33 S.
- Perotti, R.**, Biologia vegetale applicata all'agricoltura. IV, B. Microbiologia delle industrie. Rosenberg & Sellier, Torino 1951. 2. ed., 849 p., 175 fig.
- Pyenson, L. L.**, Elements of plant protection. J. Wiley & Sons, Inc., N. York, and Chapman & Hall, Ltd., London 1951. X+538 p., 226 fig.
- Radtke, W.**, Der kleine Pflanzenarzt. Ein zeitgemäßer Ratgeber zur Bekämpfung von Pflanzenkrankheiten. M. Schauenburg, Lahr (Schwarzwald) 1951. 239 S., 81 Abb.
- Roger, L.**, Phytopathologie des pays-chauds. Tome I. P. Lechevalier, Paris 1951. XVI+1126 p., 153 fig. (Encyclopédie mycol. 17).
- Salles, W. B., Frazier, W. C., Wilson, J. B., and Knight, S. G.**, Microbiology, general and applied. Harper, New York 1951. 493 p., fig.
- Smith, K. M.**, A textbook of agricultural entomology. Univ. Press, Cambridge 1951. 3. ed., XIII+289 p., 84 fig.
- Tanami, Y.**, Kiseichu no chishiki to kuhoho. (Knowledge of parasites and protection.) Ninomyia Shobo, Tokyo 1951. 154 p.
- Wolkow, A. J., u. a.**, (Anleitung zur Bekämpfung der Schädlinge und Krankheiten der landwirtschaftlichen Kulturpflanzen.) (Staatsverl. f. Landwirtsch., Moskau) 1951. 7. Aufl., 470 S., 211 Abb.
- British Commonwealth collections of microorganisms.** Directory of collections and list of species maintained in New Zealand. H. M. Stat. Off., London, 1951, IV+11 p.
- British Commonwealth collections of microorganisms.** Directory of collections and list of species maintained in the United Kingdom and Crown Colonies. H. M. Stat. Off., London, 1951, IV+59 p.
- A handbook for teaching conservation.** New York State Coll. Agric., Ithaca 1951. 66 p.
- Handbook on pesticides and their uses in Florida agriculture.** Florida agric. Exp. Stat., Gainesville 1951. 131 p. (rev.).
- The Queensland agricultural and pastoral handbook.** Insect pests and diseases of plants. Vol. III. A. H. Tucker, Brisbane 1951. 2. ed., V+560 p., 311 fig.
- Science for the farmer.** Pennsylv. agric. Exp. Stat. Rept. 1950—51 (Bull. 540). 1951, 64 p., 21 fig.

2. Tätigkeitsberichte und Kongresse

Reports of activity and congresses — Rapports d'activité et congrès

a. Europa — Europe — Europe

Bawden, F. C., Plant pathology department. Rothamsted Exp. Stat. Rept. 1950. 1951, 69—78.

Beran, F., 50 Jahre österreichischer Pflanzenschutz, 1901—1951. Der Aufbau des österreichischen Pflanzenschutzes 1945—1951. Tätigkeitsbericht der Bundesanstalt für Pflanzenschutz 1945—1950. Wien 1951. 232 S., zahlr., z. T. farb. Taf.

Ext, W., Anstalt für Pflanzenschutz. Landesbauernkammer Schlesw.-Holst. Jahresber. 1950. 1951, 50—56.

Ext, W., Tätigkeitsbericht des Pflanzenschutzamtes und der Anstalt für Pflanzenschutz Schleswig-Holstein über das Kalenderjahr 1950. 1951?, 17 S.

Gaßner, G., 50 Jahre Vereinigung für angewandte Botanik. Angew. Bot. 26. 1951, 115—117.

Gaßner, G., Jahresbericht der Biologischen Bundesanstalt für Land- und Forstwirtschaft in Braunschweig, 1950. E. Appelhans & Co., Braunschweig 1951. 48 S., 12 Abb.

Hassebrauk, K., Bericht über die Ergebnisse der deutschen landwirtschaftlichen Pflanzenschutzforschung 1945—1950. Inst. physiol. Bot. Biol. Bundesanst. Braunschweig 1951, 56 S.

Neergaard, P., 15. og sidste årsberetning fra J. E. Ohlens Enkes Plantepatologiske Laboratorium 1. August 1949—31. Juli 1950. (15. and last annual report of the Phytopathological Laboratory of J. E. Ohlens Enke, seed growers, Copenhagen.) København 1951, 23 p., 2 fig.

Oort, A. J. P., Het Instituut voor plantenziektenkundig Onderzoek. Hogeschoolbl. Wageningen 8. 1951, 70.

Speyer, W., Geschichte und Arbeitsgebiete des Institutes für Getreide-, Ölfrucht- und Gemüsebau in Kiel-Kitzeberg. Nachr.bl. dtsh. Pfl.schutzd., Braunschweig, 3. 1951, 83—84.

Stellwaag, F., Institut für Pflanzenkrankheiten. Lehr-, Forsch.anst. Wein-, Obst-, Gartenbau Geisenheim a./Rh. Ber. Rechn.jahre 1946—1951, 33—38.

Williams, C. B., Entomology department. Rothamsted Exp. Stat. Rept. 1950. 1951, 90—95.

Zillig, H., 30 Jahre Institut für Weinbau der Biologischen Bundesanstalt. Nachr.bl. dtsh. Pfl.schutzd., Braunschweig, 3. 1951, 148—149, 1 Abb.

Amsterdam: Inlichtingen en onderzoekingen van de afdeling tropische producten in 1950. Meded. Inst. trop., Amsterdam, 95. 1951, 52 p., 4 fig.

Annuario dell'agricoltura italiana. (Jahrbuch der italienischen Landwirtschaft.) Ist. Naz. Econ. Agr., Rom, 4 (1950). 1951.

Bericht über die Tätigkeit der Eidg. Agrikulturchemischen Anstalt Liebefeld-Bern in den Jahren 1949 und 1950. Landw. Jahrb. Schweiz 65. 1951, 417—442.

Bericht über die Tätigkeit der Eidg. Landwirtschaftlichen Versuchsanstalt Zürich-Oerlikon pro 1949/50. Landw. Jahrb. Schweiz 65. 1951, 461—532, 7 Abb.

Bologna Università, Laboratorio sperimentale di patologia vegetale: Rassegna dei principali casi fitopatologici osservati nel 1950. (Account of the principal plant diseases observed in 1950.) Bologna 1951. 19 p.

Congresul internațional de fitopatologie, entomologie și de protecția plantelor București, 25 Iulie—4 August 1949. Inst. Cerc. Agron. (Română) 1. 1950, 137 p., 18 fig., 2 tab. geogr.; 2. 1951, 423 p., 44 fig.

The international crop protection conference at Fernhurst. Gard. Chron. 130. 1951, 24—25.

1. conférence internationale pour l'examen des moyens de lutte contre les parasites des plantes, du 3 au 6 octobre 1950 à Rome. Allocutions, procès-verbal, rapports, communications et résolutions. Staz. Pat. veg., Roma 1951. 452 p.

Organisation européenne pour la protection des plantes: Séances techniques de la première réunion du Conseil 18—21 Avril 1951. Paris 1951. 43 p., 2 tab.

Proceedings of the 2nd International Congress of Crop Protection, London 20th—31st July, 1949. London 1951. VIII+521 p., fig.

Proceedings specialist conference in agriculture. Plant and animal nutrition in relation to soil and climatic factors. H. M. Stat. Off., London 1951. X+490 p., 33 fig., 2 tab. geogr.

Progress reports from experiment stations, season 1949—1950. Empire Cotton Growing Corp., London 1951. 140+V p., 2 fig.

Reinbek bei Hamburg: Arbeitsbericht für den Zeitraum 1. 4. 1950—30. 9. 1951. Bundesanst. Forst- u. Holzw. 1951, 38 S.

Report of the Pest Infestation Research Board, with the report of the Director of Pest Infestation Research for the year 1949. [biology, grain storage, insecticides, fumigants, isotope tracers] Great Brit. Dept. Sci., ind. Res., Pest Infest. Res. Bd., London, 1951, 34 p.

Rothamsted Experimental Station, Harpenden: Report for 1950. Gibbs & Bamforth Ltd., St. Albans 1951. 183 p.

Sprawozdanie Szkoły Głównej Gospodarstwa Wiejskiego w Warszawie za okres 1918/19—1929/30. (Jahresbericht der Landwirtschaftlichen Hochschule in Warschau für die Zeit von 1918/19—1929/30.) Warszawa 1951. 323 p.

Stations fédérales d'essais viticoles, arboricoles et de chimie agricole, Lausanne et Pully. Rapport d'activité 1950. Landw. Jahrb. Schweiz 65. 1951, 823—861, 2 fig.

Travaux effectués en 1950 par les stations agronomiques. Ann. agron. (Ann. Inst. nat. Rech. agron. sér. A), Paris, 2. 1951, 485—725, 27 fig.

Verslagen over 1950 van het Instituut voor toegepast biologisch Onderzoek in de Natuur (ITBON) waarin opgenomen het Verslag over 1950 van het Comité ter Bestudering en Bestrijding van Insectenplagen in Bossen. Centr. Org. toegepast-natuurw.schapp. Onderz., »Mariendaal«, Oosterbeek, Meded. nr. 11. 1951, 17 p.

Wageningen: Instituut voor plantenziektenkundig Onderzoek, Jaarverslag 1950. 1951? 66 p., 10 fig.

Weser-Ems: Tätigkeitsbericht des Pflanzenschutzamtes der vorl. Landwirtschaftskammer Weser-Ems für das Jahr 1950. Sept. 1951, 18 S.

b. Amerika — America — Amérique

Balandrano C., D., Enfermedades que se diagnosticaron durante 1950 y 1951 en la dirección general de defensa agrícola. [Mexico] Fitófilo 5. 1951, nr. 3, p. 41—46.

Conners, I. L., and Savile, D. B. O., Thirtieth annual report of the Canadian plant disease survey, 1950. 1951, xvi+135 p.

Barbados Department of Science and Agriculture: Annual report for the year 1950—1951. Bridgetown? 1951. 68 p.

British Columbia: Progress report, Dominion Experimental Station, Summerland, 1937—1948. 1951, 101 p., 31 fig.

Canada: Annual report of the director Experimental Farms Service 1949—1950. Ottawa Dept. Agric. 1951. 87 p., fig.

Canada Department of Agriculture: Report of the Science Service, March 31, 1950. [plant pathology] 1951, 120 p.

Canada: Report of the Minister of Agriculture for Canada for the year ended March 31, 1951. [diseases and insects] Ottawa 1951, 102 p.

Chile: Esquema de la acción del Departamento de Sanidad Vegetal en defensa de la agricultura en Chile. 1. Conf. int. Lutte contre Parasites Plantes 3.—6. 10. 1950 Rom. 1951, 396—399.

Conferencia nacional de Coordinación Fitosanitaria: Trabajos, actas, ponencias, resoluciones, 1950. Buenos Aires 1951, 127 p.

Ecuador: Estación Experimental Tropical Agrícola, Plant Pathology Department: Annual report 1950. Pichilingué 1951? 9 p.

México: Primera Asamblea Latinoamericana de Fitoparasitología. (First Latin-American Congress of Phytopathology.) Foll. misc. Ofic. Estud. esp. Méx. nr. 4. 1951, 426 p., 16 fig., 7 tab., 3 tab. geogr.

Peru: Informe annual 1950. Peru Estac. Exp. agric., Tingo María, Informe 5. 1951?, 78 p.

USA

Miller, P. R., A report to the contributors to our plant disease reporter. Plant Dis. Repr. 35. 1951, 121—122.

Stout, G. L., Bureau of plant pathology. Calif. Dept. Agric. Repr. 1951 (Bull. Dept. Agric. Calif. 40, nr. 4). 1951, 207—227, 2 fig.

American Association of Economic Entomologists: Proceedings of the sixty-second annual meeting, Denver, Colorado, December 18, 19, 20 and 21, 1950. J. econ. Ent. 44. 1951, 129—145.

Arizona Agricultural Experiment Station: Sixty-first annual report for the year ending June 30, 1950. Tucson 1951. 88 p., 20 tab.

Arizona State Entomologist: Report July 1, 1950—June 30, 1951. Phoenix 1951. 40 p.

Bureau of Plant Industrie, Soils and Agricultural Engineering. Year 1950—1951. U.S. Dept. Agric., agric. Res. Admin. Rept. 1951, 425—427.

Cornell: Sixty-third annual report of the College of Agriculture at Cornell University and of the Cornell University Agricultural Experiment Station, 1950. Ithaca? 1951. 192 p.

Geneva: Sixty-ninth annual report of the New York State Agricultural Experiment Station, Geneva, N. Y., 1950. [entomology and plant pathology] Cornell Univ. agric. Exp. Stat. 1951, 51 p.

Georgia: Annual report, July 1, 1950—June 30, 1951. Georgia Dept. Ent. Bull. 96. 1951, 17 p.

Georgia Experiment Station: Sixty-second annual report, 1949—1950. 1951, 92 p., 14 fig.

Kentucky: 37th biennial report for the fiscal years 1949—50 and 1950—51. Kentucky Dept. Agric. 1951, 130 p.

Louisiana: Annual report, 1951. U. S. Farmers Home Admin., Alexandria (La.), 1951?, 8 p.

Massachusetts: Annual report for the fiscal year ending June 30, 1951. Massachus. agric. Exp. Stat. Bull. 466. 1951, 62 p.

Michigan Soil Conservation Committee: Biennial report, 1949—1950. East Lansing 1951?, 23 p.

Mississippi Agricultural Experiment Station: 63rd annual report fiscal year ending June 30, 1950. State Coll.? 1951?, 83 p.

Montana insect pests, 1949—1950; thirty-third report of the State Entomologist. Montana agric. Exp. Stat. Bull. 474. 1951, 35 p.

New Orleans Southern Forest Experiment Station: Thirtieth annual report, 1950. U.S. Forest Serv. 1951?, 90 p.

New York State Agricultural Experiment Station, Geneva, New York: Sixty-ninth annual report 1950. [entomology and plant pathology] New York State Univ., Albany 1951. 51 p.

North Dakota's agricultural progress through research; annual report. North Dakota agric. Exp. Stat. Bull. 365. 1951, 93 p. — Bimonthly Bull. 13. 1951, 94—135.

Ontario Entomological Society: Eighty-first annual report, 1950. Toronto 1951, 131 p.

Oregon's agricultural progress through research. Oregon agric. Exp. Stat. Bull. 508. 1951, 80 p., 33 fig.

Soil Conservation Service Southwest Region: Annual report fiscal year 1951. Albuquerque 1951?, 21 p.

c. Asien — Asia — Asie

McIntosh, A. E. S., Annual report of the Department of Agriculture, Malaya, for the year 1949. 1951, 87 p., 1 tab. geogr.

India: Annual forest administration report of the State of Bombay, 1948—1949. Governm. Centr. Press, Bombay 1951. 203 p.

Madras: Plant protection work in Madras State during the quarter ending 31st March 1951. Plant Prot. Bull., New Delhi, 3. 1951, nr. 4, p. 95—101.

d. Afrika — Africa — Afrique

Frézal, P., Rapports nationaux; Algérie. Off. int. Vin Bull. 24. 1951, nr. 243, p. 87—105.

Hopkins, J. C. F., Summary of annual report for the branch of botany and plant pathology for the year ended 30th September, 1950. Rhodesia agric. J. 48. 1951, 454—459.

Lawrence, E., Report of the Acting Director of Agriculture. Nyasaland Dept. Agric. Rept. 1949. 1951, 23 p.

Tarr, S. A. J., Plant pathology. Sudan Govt. Minist. Agric. Res. Div. Rept. 1948—1949. 1951, 47—65.

Wallace, G. B., Annual report of the plant pathologist, 1949. Tanganyika Dept. Agric. Rept. 1949. 1951, 115.

Algérie: Rapport du conseil de l'expérimentation et des recherches agronomiques en Algérie pour 1950—1951. Counc. agron. Exp. Res., Algeria, 1950—1951. 1951, 212 p.

Congo Belge: Rapport annuel pour l'exercice 1950. Publ. Inst. nat. Étude agron. Congo belge 1951 (hors sér.). 1951, 392 p., 1 tab. geogr.

East African Agriculture and Forestry Research Organization: Annual report 1950. [1951], 57 p.

Gold Coast: Report of the Forestry Department, Gold Coast, for the year 1950—51. 1951, 24 p., 1 fig.

Kenya Department of Agriculture: Annual report 1949, Vol. II. — Record of investigations. 1951, 89 p.

South Africa: Progress of research activities in South Africa. Union South Afr., Unasylva, 5. 1951, 64—67.

Tanganyika: Annual report of the Forest Department, 1950. Govt. Printer, Dar-es-Salaam 1951. 37 p.

e. Australien und Südsee Australia and South-Sea Australie et Mer du Sud

Australia: Third annual report of the Commonwealth of Australia Scientific and Industrial Research Organization for the year ending 30th June, 1951. Canberra 1951, 167 p.

Australia: Thirty-first annual report. Financial year 1949—50. J. J. Gourley, Govt. Printer, Melbourne 1951. 41 p.

New Zealand Department of Agriculture: Annual report for year 1950—51. Wellington 1951. 100 p.

New Zealand: Twenty-fifth annual report of the Department of scientific and industrial Research (1950—51). 1951, 80 p.

3. Bibliographien Bibliographies — Bibliographies

Barnes, H. V., and Allen, J. M., A bibliography of plant pathology in the tropics and in Latin America. U. S. Dept. Agric. Bibliogr. Bull. 14. 1951, 78 p.

Cunningham, J. C., Maize bibliography for the years 1937 to 1945, inclusive. Contrib. Iowa Corn Res. Inst. 3. 1951, 194—298.

Fischer, G. W., The smut fungi. A guide to the literature, with bibliography. Ronald Press Comp., New York 1951. X+387 p.

Groves, J. R., A synopsis of the world literature on the fruit tree red spider mite *Metatetranychus ulmi* (C. L. Koch, 1835) and its predators. With a brief review of the problem by A. M. Massee. Commonw. Inst. Ent., London 1951. 180 p.

Grebenščikov, I., Über biologische Schädlingsbekämpfung (an Beispielen aus der neueren sowjetischen Literatur). Urania 14. 1951, 329—335.

- Hassebrauk, K.**, Bericht über die Ergebnisse der deutschen landwirtschaftlichen Pflanzenschutzforschung 1945—1950. Schriftenreihe AID (Frankfurt a. M.) H. 13. 1951, 66 S. — Landw. Forsch.rat, e. V., Bonn 1951? 56 S.
- Lebedew, D. W.**, (Bibliographie der sowjetischen botanischen Literatur.) 6—8. [u. a. Pflanzenkrankheiten und Schädlinge] (Bot. Journ. Akad. Wiss. USSR.), Moskau u. Leningrad, 36. 1951, 93—103, 209—218, 311—321.
- Ling, L.**, Bibliography of soybean diseases. Plant Dis. Repr. Suppl. 204. 1951, 109—173.
- Pfeffer, A.**, Bibliographie entomologique de la Bohême, de la Moravie et de la Silésie pour les années 1800—1940. Českoslov. Společnost. Ent. Casopis 47. 1950, 231—356.
- Pisarska, M.**, Bibliografia Polskiego Piśmiennictwa Leśnego. (Bibliographie des polnischen forstlichen Schrifttums.) Państwowe wydawnictwo rolnicze i leśne, Warschau 1951. 116 p.
- Senn, H. A.**, A bibliography of canadian plant geography. IX. The period 1941—1945. Canada Dept. Agric. Publ. 863. 1951, 183 p.
- Vappula, N. A.**, Finnish entomological literature published in 1949 including economic entomology and control of insect pests. Suomen Hyönteistieteellinen Aikakausk. (Ann. ent. fenn.) 17 (1, sup.). 1951, 17 p.
- Vinš, B.**, Lesnická bibliografie a dokumentace. (Forstliche Bibliographie und Dokumentation.) Českosl. Les. 31. 1951, 492—494.
- Wade, J. S.**, A selected bibliography of the insects of the world associated with sugar-cane, their predators and parasites. Int. Soc. Sugar-Cane Technol. Mem. nr. 1. 1951, 113 p.
- Bibliographie des ausländischen forst- und holzwirtschaftlichen Schrifttums.** Folge 3 (enthält Titel der Jahre 1950/51). I—II. Mitt. Bundesanst. Forst-, Holz-, Reimbek b. Hamburg, Nr. 26. 1951, IV+III+287 S.
- Bibliography of forest industry educational materials.** Amer. Forest Prod. Ind., Washington, 1951, 12 p.
- Bibliography of soil science, fertilizers and general agronomy 1947—1950.** Commonw. Bur. Soil Sci., Harpenden (England) 1951. XXVIII + 535 p.
- Bibliography of the literature on the minor elements and their relation to plant and animal nutrition.** Chilean Nitrate educ. Bur., Inc., N. York 1951. 4. ed., vol. II, 152 p.
- Bibliography of weed investigations for 1950.** U.S. Dept. Agric., Bur. Plant Ind., Soils, agric. Engin., Beltsville (Maryland) 1951. 111 p.
- Digest of literature on parathion.** Amer. Cyanamid Co., agric. Chem. Div., New York 1951. 159 p.
- Förteckning över lantbrukslitteratur anskaffad till de svenska lantbruksbiblioteken under andra kvartalet 1951.** Kungl. Lantbruksakad. Tidskr. 90. 1951, 275—281.
- Förteckning över lantbrukslitteratur anskaffad till de svenska lantbruksbiblioteken under fjärde kvartalet 1950.** Kungl. Lantbruksakad. Tidskr. 90. 1951, 78—85.
- Lista de publicaciones.** Puerto Rico Univ. Coll. Agric. Ext. Serv. 1951, 14 p.
- List of entomological (E-series) publications 782 to 811.** U.S. Dept. Agric. Bur. Ent., Plant Quar. E-812. 1951, 4 p.
- List of entomological technique (ET-series) publications 271 to 291.** U.S. Dept. Agric. Bur. Ent., Plant Quar. ET-292. 1951, 2 p.

4. Biographien

Biographies — Biographies

- Barnes, H. F.**, Mr. G. Fox Wilson. Ann. appl. Biol. 38. 1951, 311—317, 1 tab.
- Barrus, M. F.**, Harry Morton Fitzpatrick 1886—1949. Mycologia, Lancaster, 43. 1951, 249—266, 3 fig.
- Bishop, F. C.**, Sasser, E. R., and Muesebeck, C. F. W., Sievert A. Rohwer, 1888—1951. J. econ. Ent. 44. 1951, 437—439, 1 fig.
- Cardon, P. V.**, and White, W. H., Percy Nicol Annand, 1898—1950. J. econ. Ent. 44. 1951, 268—270, 1 fig.
- Ciferri, R.**, e Refatti, E., Giulio Catoni (6 settembre 1869—19 ottobre 1950). Boll. Staz. Pat. veg., Roma, 9 (3. ser.). 1951, 119—127, 1 fig.
- Ehrle, L.**, Professor Dr. Walther Gleisberg 60 Jahre alt. 30 Jahre wissenschaftliche Arbeit für den Gartenbau. Ztschr. Pfl.züchtg. 30, 1951, 153.
- Hassebrauk, K.**, Festrede zum 70. Geburtstage von Professor Dr. Dr. h. c. Gustav Gaßner am 17. Januar 1951. E. Appelhans, Braunschweig 1951. 8 S.
- Hoyt, A. S.**, and Caffrey, D. J., William Henry White 1892—1951. J. econ. Ent. 44. 1951, 435—436, 1 fig.
- Kemper, H.**, K. Escherich zum 80. Geburtstag. Ztschr. hyg. Zool. 39. 1951, 193—195, 1 Abb.
- Kemper, H.**, Professor A. Hase zum 70. Geburtstag. Ztschr. hyg. Zool. 39. 1951, 289.
- Könnecke, G.**, Zum Gedenken an Professor Theodor Roemer! Dtsch. Landw. 2. 1951, 506—508, 1 Abb.
- Krieg, H.**, Rede zum 100. Geburtstag von Lina Hähnle (3. 2. 1951), gefeiert in Giengen 10. 2. 1951. Naturwiss. Rundschau 4. 1951, 500.

- Mudra, A.**, Rudolf Fleischmann, Kompolt, †. Ztschr. Pfl.züchtg. 30. 1951, 155—156.
- Roemer, Th.**, Dr. Hanna Becker, Einbeck, †. Ztschr. Pfl.züchtg. 30. 1951, 154—155, 1 Abb.
- Scheerpeltz, O.**, Dr. h. c. Ludwig Benick †. Ent. Bl. 47. 1951, 49—54, 1 Abb.
- Schimitschek, E.**, Zum 80. Geburtstag von Karl Escherich. Mitt. forstl. Bundes-Versuchsanst. Maria-brunn 47. 1951, 3—7, 1 Abb.
- Sessous, Wilhelm Rudorf** zum 60. Geburtstag. Ztschr. Pfl.züchtg. 30. 1951, 165—171, 1 Abb.
- Stahl, C. F.**, and **Reid jr., W. J.**, William Andrew Thomas, 1833—1951. J. econ. Ent. 44. 1951, 821—822, 1 fig.
- Thielmann, K.**, Geheimrat K. Escherich zum 80. Geburtstag. Allg. Forstztzshr. 6. 1951, 359.
- Van Breuseghem, R.**, Maurice Langeron. Mycopath., Mycol. appl. 6. 1951, 58—64.
- In memoriam** Geheimrat Prof. Dr. Dr. h. c. Dr. Otto Appel. Angew. Bot. 26. 1951, 226, 1 Abb.
-

II. Krankheiten und Ursachen Diseases and causes — Maladies et leurs causes

1. Allgemeine Krankheitslehre General pathology — Pathologie générale

- Allington, W. B.**, Basic principles in the science of plant pathology which should be stressed in the beginning course. *Plant Dis. Repr.* 35. 1951, 278—279.
- Allison, C. C.**, Objectives as related to presentation methods in teaching general plant pathology. *Plant Dis. Repr.* 35. 1951, 280—281.
- Blair, I. D.**, Micro-organisms and plant growth. *Lincoln Coll., School Agric., Techn. Publ. nr. 5.* 1951, 42 p.
- Catcheside, D. G.**, The genetics of micro-organisms. *Sir I. Pitman & Sons, Ltd., London* 1951. VII+223 p., 35 fig., 1 tab.
- Cowan, S. T.**, United Kingdom culture collections. *J. gen. Microbiol.* 5. 1951, 605—607.
- Davis, B. H.**, Topics or items to be included in a basic course in plant pathology. *Plant Dis. Repr.* 35. 1951, 282—285.
- Diachun, St.**, Standardizing a general course in plant pathology. *Plant Dis. Repr.* 35. 1951, 289—290.
- Harris, R. V.**, Plant pathology. *East Malling Res. Stat. Ann. Rept.* 38 (1950). 1951, 38—41.
- Hauduroy, P.**, Le centre de collection de types microbiens. *Bull. Soc. Path. exot.* 44. 1951, 133—135.
- Hering, E. M.**, Probleme der Xenophobie und Xenophilie bei der Wirtswahl phytophager Insekten. *9. int. Congr. Ent., Amsterdam*, 1951, VI, 4.
- Hoeppli, R.**, The development of parasitology in China from 1930 to 1950. *Peking nat. hist. Bull.* 19 (1950). 1951, 89—146.
- Kloft, W.**, Insekten steuern das Wachsen von Pflanzen. *Umschau* 51. 1951, 40—42, 5 Abb.
- Kostal, E.**, Relationship of insects to plant disease from the plant-protection viewpoint. *J. New York ent. Soc.* 59. 1951, 123 (Abstr.).
- Lehmann, E.**, Seuchenzüge im Pflanzenreich. *Seb. Lux, Murnau/München* 1951. 74 S., m. Abb.
- Limasset, P.**, Aperçu de la pathologie végétale. *Rev. Path. comp., Hyg. gén., Paris*, 51. 1951, 397—402.
- Limasset, P.**, L'infection chez les végétaux. *Rev. Path. comp., Hyg. gén., Paris*, 51. 1951, 635—654.
- Limasset, P., et Darpoux, H.**, Principes de pathologie végétale. *Dunod, Paris* 1951. 2. éd., 334 p., 148 fig.
- Loos, C. A.**, Pathological problems. *Tea Quart. (Tea Res. Inst.), Ceylon*, 22. 1951, 27—30.
- Morstatt, H.**, Das Abklingen von Epidemien. *Ztschr. Pfl.krankh.* 58. 1951, 435—436, 1 Abb.
- Müller, F. P.**, Blattfleckenkrankheiten. *Kleingärtner u. Siedler* 5. 1951, 103, 1 Abb.
- Naumow, N. A.**, (Zum Problem der Pflanzenerkrankungen.) (Arb. allruss. Inst. Pfl.schutz, Moskau-Leningrad), Liefg. 3. 1951, 115—124.
- Palti, J., and Minz, G.**, Estimation of the incidence and destructiveness of plant diseases. I. Terminology and outline of the technique of visual appraisal. *Bull. Res. Council. Israel* 1. 1951, 76—97.
- Riker, A. J., and Hildebrandt, A. C.**, Pathological plant growth. *Ann. Rev. Microbiol.* 5. 1951, 223—240.
- Riker, A. J., and Thomas, J. E.**, The interaction between causative agents in diseased growth. In: *Skoog, F., Plant growth substances (Univ. Wisconsin Press, Madison)*, 1951, 405—410.
- Sarejanni, J. A.**, Essai sur le concept de la maladie en pathologie végétale. *Ann. Inst. phytopath.* Benaki 5. 1951, 88—127.
- Silveira, V. D.**, (Elements of phytopathology.) *Agro-nomia, Rio de Janeiro*, 10. 1951, 203—233.
- Silveira, V. D.**, (Elements of plant pathology.) *Agro-nomia, Rio de Janeiro*, 9 (1950). 1951, 295—318.
- Thomas jr., W. D.**, Pinto beans, carriers of bacteria. *J. Colorado-Wyoming Acad. Sci.* 4. 1951, nr. 3, p. 62 (Abstr.).
- Wann, F. B., Thorne, D. W., and Woolley, J.**, Radio-iron, a tool in the study of chlorosis. *Farm, Home Sci. (Utah Stat.)* 12. 1951, 76—78.
- Yarwood, C. E.**, Associations of rust and virus infections. *Science* 114. 1951, 127—128.

a. Pathologische Pflanzenanatomie, Gallen, Teratologie

Pathological anatomy of plants, galls, teratology

Anatomie pathologique des plantes, galles, tératologie

- Akai, S.**, On the anatomy of necrotic lesions on leaves and stems of plants affected by pathogenic fungi. *Kyoto Imp. Univ. Mem. Coll. Agric.* 61. 1951, 30 p., 25 fig.
- Allen, T. C.**, Deformities caused by insects. In: *Skoog, F., Plant growth substances (Wisconsin Univ. Press, Madison)*, 1951, 411—415.
- Braun, A. C.**, Cellular autonomy in crown gall. *Phytopathology* 41. 1951, 963—966, 3 fig.

- Braun, A. C.**, Recovery of tumor cells from effects of the tumor-inducing principle in crown gall. *Science*, Lancaster, 113. 1951, 651—653.
- De Ropp, R. S.**, The action of some chemical growth inhibitors on healthy and tumor tissue of plants. *Cancer Res.* 11. 1951, 63—68, 1 fig.
- De Ropp, R. S.**, The crown gall problem. *Bot. Rev.* 17. 1951, 629—670.
- Dimond, A. E., Stoddard, E. M., and Rich, S.**, The effect of dyes in retarding the development of crown-galls. *Phytopathology* 41. 1951, 911—914.
- Hawker, L. E., and Fraymouth, J.**, A re-investigation of the root-nodules of species of *Elaeagnus*, *Hippophae*, *Alnus* and *Myrica*, with special reference to the morphology and life histories of the causative organisms. *J. gen. Microbiol.* 5. 1951, 369—386, 8 fig., 2 tab.
- Hering, E. M.**, Veränderungen in pflanzlichen Geweben unter dem Einfluß minierender Insekten-Larven. *Svensk bot. Tidskr.* 45. 1951, 42—71, 1 tab.
- Kennedy, J. S.**, Benefits to aphids from feeding on galled and virus-infected leaves. *Nature*, London, 168. 1951, 825—826.
- Küster, E.**, Die Pflanzenzelle. Vorlesungen über normale und pathologische Zytomorphologie und Zytogenese. G. Fischer, Jena 1951. 2. Aufl., XI+866 S., 442 Abb.
- Küster, E.**, Über die morphologischen Kennzeichen der Gallen von *Dasyneura crataegi*. *Ber. dtsch. bot. Ges.* 64. 1951, 283—287.
- Lamb, K. P.**, A new species of gall midge (*Cecidomyiidae*) from *Hebe salicifolia* Forst. leaf galls. *Trans. R. Soc. New Zealand* 79. 1951, 210—212, 3 fig.
- McDonough, E. S., and Foll, S. C.**, Excess callusing in roses as related to flower production and vegetative growth. *Phytopathology* 41. 1951, 196—197, 1 fig.
- Moreau, F.**, Un champignon lichénicole céridogène, *Phyllosticta galligena*, sp. nov. *Bull. Soc. bot. France* 98. 1951, 100—102.
- Niblett, M.**, Plant galls in Surrey, 1950. *London Nat.* 30 (1950). 1951, 11—13.
- Nylinder, P.**, Om patologiska hartskanaler. (Über pathologische Harz-Kanäle.) *Meddel. Stat. Skogs-forskn.inst.*, Stockholm, 40. 1951, 1—12, 8 fig.
- Řezáč, M.**, Několik poznámek o hálkách na ryzci obecném (*Lactarius deliciosus* L.) a jejich původu [Fungivora blanda] *Ent. Listy (Folia ent.)*, Brno, 14. 1951, 47—48, 6 fig.
- Robbins, W. J., and Hervey, A.**, Contaminating bacteria in plant tumor tissues. *Science (n. ser.)* 114. 1951, 322—323.
- Schmidt, H.-H.**, Studien zur experimentellen Pathologie der Chloroplasten. I. Untersuchungen über die Vacuolenbildung der Chloroplasten durch Alkaloide und Anaesthetica. *Protoplasma*, Wien, 40. 1951, 209—238.
- Snijders, J. H.**, (Observations on abnormal leaf forms; an attempt to systematize and explain the phenomena.) *Madjalah Ilmu Alam untuk Indonesia* 107. 1951, 39—44.
- Struble, F. B., Corder, H. B., and Morrison, L. S.**, Relative incidence of internal cork of sweetpotatoes in Oklahoma in 1950 and 1951. *Plant Dis. Repr.* 35. 1951, 227—229, 1 fig.
- Tureek, F. J.**, Galls and gall insects as food of certain birds and mammals. *Suomen Hyönteistieteellinen Aikakausk.* 17. 1951, 17—22.
- Van Leeuwen, W. M.**, (New galls from Netherlands. II.) *Ent. Ber.* 13. 1951, 296—303.
- White, P. R.**, Neoplastic growth in plants. *Quart. Rev. Biol.* 26. 1951, nr. 1, p. 1—16.

b. Pathologische Pflanzenphysiologie Pathological plant physiology Physiologie pathologique des plantes

- Becker, Y., Guillemat, J., Guyot, L., et Lelièvre, D.**, Sur un aspect phytopathologique du problème des substances racinaires toxiques. *Compt. rend. Acad. Sci., Paris*, 233. 1951, 198—199.
- Becker, Y., et Guyot, L.**, Sur les toxines racinaires des sols incultes. *Compt. rend. Acad. Sci., Paris*, 232. 1951, 105—107.
- Bolschakow, A. F.**, (Versuch zur Bestimmung des das Welken verursachenden Feuchtigkeitsgehaltes unter Feldbedingungen.) (*Bodenkunde*) (USSR.) 1951, 54—56.
- Brandenburg, E.**, Über die Bildung von Toxinen in der Gattung *Pythium* und ihre Wirkung auf die Pflanzen. *Nachr.bl. dtsch. Pfl.schutzd., Braunschweig*, 3. 1951, 69—70.
- Bringhurst, R. S.**, Genetic analysis of chlorophyll deficiency in *Melilotus alba* × *M. dentata* hybrids with some observations on meiotic irregularities. *Genetics* 36. 1951, 543 (Abstr.).
- Dallyn, S. L., and Sweet, R. D.**, A new theory as to the mechanism of plant tolerance and susceptibility to oils on the basis of differences in cytoplasmic membranes of plant cells. *Amer. Fert., allied Chem.* 114 (1). 1951, 34, 38, 40. (*Biol. Abstr.* 25. 1951, 25044.)
- Esdorn, I.**, Untersuchungen über den Einfluß verschiedener Faktoren auf den ätherischen Ölgehalt an absterbenden Pflanzen. *Phytopath. Ztschr.* 17. 1951, 433—443, 3 Abb.
- Feder, W. A., and Ark, P. A.**, Wilt-inducing polysaccharides derived from crown gall, bean blight, and soft rot bacteria. *Phytopathology* 41. 1951, 804—808.
- Gäumann, E.**, Neuere Erfahrungen mit Welketoxinen. [*Lycopersin* an *Tomate*] *Experientia*, Basel, 7. 1951, 441—447, 4 Abb.

Gäumann, E., Some problems of pathological wilting in plants. *Advances in Enzymology* (New York, London) 11. 1951, 401—437, fig., tab.

Hänsel, H., Saatgutdegeneration infolge plötzlicher Änderungen der Erbmasse (spontaner Mutationen). *Pflüg* 4. 1951, 195—197.

Hildebrandt, A. C., Growth of diseased plant tissue in vitro influenced by the concentration of organic acids. *Phytopathology* 41. 1951, 16.

Hollis, J. P., Bacteria in healthy potato tissue. *Phytopathology* 41. 1951, 350—366, 1 fig.

Kaplan, R. W., Chromosomen- und Faktormutationsraten in Gerstenkörnern bei verschiedenartigen Quellungsbehandlungen oder Kälte während oder nach der Röntgenbestrahlung sowie bei Dosisfraktionierung. *Ztschr. indukt. Abst., Vererb.lehre* 83. 1951, 347—382, 1 Abb.

Krackowizer, F., (Orchids or parasites?) *Selec. Agric.* (portug.) 6. 1951, nr. 65, p. 30.

Link, G. K. K., and **Klein, R. M.**, Inhibitory and stimulatory effects of indole-acetic acid on development of the bean hypocotyl. *Bot. Gaz.* 112. 1951, 400—417.

Möller, E.-F., Wuchsstoffe und mikrobiologische Stoffwechselanalyse. *Fortschr. chem. Forsch.* 2. 1951, 146—228, 11 Abb.

Powolotzkaja, K. L., und **Saitzewa, N. I.**, (Die Biosynthese des Riboflavins bei verletzten Pflanzen.) (*Ber. Akad. Wiss. USSR.*) N. Ser. 77. 1951, 317—320.

Provasoli, L., **Hutner, S. H.**, and **Pintner, I. J.**, Destruction of chloroplasts by streptomycin. *Cold Spring Harbor Symposia Quantit. Biol.* 16. 1951, 113—120.

Smith, W. K., Chlorophyll-deficient interspecific hybrids in *Melilotus*. *Genetics* 36. 1951, 576—577 (Abstr.).

Takahashi, M., (Studien über die giftigen Wirkungen der durch *Pythium ultimum* gebrauchten Nahrungslösungen auf verschiedene Pflanzen.) (*Forsch. Pfl.krankh.*) Kyoto, 4. 1951, 138—144.

Vyvyan, M. C., Plant physiology. *East Malling Res. Stat. Ann. Rept.* 1951 (39). 1952, 34—36.

Werft, R., Schädigt Sonnenlicht den Blütenstaub? *Umschau* 51. 1951, 662.

Yarwood, C. E., Temperatures of diseased leaves. *Phytopathology* 41. 1951, 945.

Yoshii, H., (On the histochemical observations on the inorganic substances of leaves infested with pear-Juniperus rust and peach-leaf curl.) [*Gymnosporangium haraeaeum*, *Taphrina deformans*] (*Forsch. Pfl.krankh.*) Kyoto, 4. 1951, 91—92.

2. Krankheiten mit verschiedenartigen oder unbekannten Ursachen

Diseases with various or unknown causes

Maladies de cause diverse ou inconnue

Doughty, J. L., Lime induced chlorosis. *West. canad. Soc. hortic. Rept. Proc.* 7. 1951, 42—43.

Hill, H., and **Davis, M. B.**, Lime induced chlorosis in eastern Canada. *West. canad. Soc. hortic. Rept. Proc.* 7. 1951, 46—48.

Ilijn, W. S., Metabolism of plants affected with lime-induced chlorosis (calciöse). I. Nitrogen metabolism. II. Organic acids and carbohydrates. *Plant and Soil* (The Hague) 3. 1951, 239—256, 339—351.

McGeorge, W. J., Lime-induced chlorosis on western crops. *Bett. Crops* 35. 1951, nr. 5, p. 17—20, 43—46, 5 fig.

Makarewskaja, E. A., (Die Zweiphasigkeit der in Pflanzen bei Chloroseerkrankungen zu beobachtenden Veränderungen.) *Dokl. Akad. Nauk USSR.* 78 (N. Ser.). 1951, 1045—1048.

Sulakadse, T. S., (Die Besonderheiten des Wassereintrittes in die Gewebe an Chlorose erkrankter Pflanzen und der Einfluß von Wuchsstoffen auf diesen Prozeß.) (*Ber. Akad. Wiss. USSR.*) N. Ser. 76. 1951, 941—944.

3. Nichtparasitäre Krankheiten

Diseases not caused by parasites — Maladies non parasitaires

a. Bodenverhältnisse, Düngung Soil conditions, manuring Conditions du sol, engrais

Aichinger, E., Versteppung und Verkarstung in Österreich. *Natur und Land* 37. 1951, 202—295.

Aureau, M., Lutte contre l'érosion. *Almanach Agric.* Tunisie 1951, 199—200.

Bartels, H.-H., Keine Untergrundsäden beim Treckerpflügen. *Bauernbl. Schlesw.-Holst.* 5./101. 1951, 756—757, 4 Abb.

Bennett, H. H., The rewards of soil conservation. *U.S. Soil Conserv. Serv.*, Washington, 1951, 4 p.

Bhimayya, C. P., Soil erosion on the plains (of India)—a problem not yet fully appreciated. *Planters' Chron.* 46. 1951, nr. 4, p. 95—101.

- Boudy, P.**, Considérations sur le problème de la défense et de la restauration des sols (États-Unis, Afrique du Nord). Soc. forest. Franche-Comté, Salins (Jura), 1951, 174—211. (Ref. in Rev. Forestière franç., Nancy, 4. 1952, 123.)
- Bravenboer, L.**, (Soil diseases and their control.) Groenten en Fruit 7. 1951, 245—246.
- Brugière, J. M.**, Le problème capital de la conservation des sols. Marchés colon. 7. 1951, 91. (Ref. in Bois et Forêts Trop., Paris, nr. 17. 1951, 75.)
- Buie, T. S.**, Physical methods of soil conservation. U. N. sci. Conf. Conserv., Util. Resources Proc. 6. 1951, 2—6.
- Burton, R. W.**, The protection of world resources: wild life and the soil. J. Bombay nat.-hist. Soc. 50. 1951, 371—379.
- Carah, W. M.**, Keswick crases erosion. Using rock chek dams and planting natural cover, crews are reducing ravages of nature on this California watershed. Amer. Forests 57. 1951, 21, 38, 2 fig.
- Chepil, W. S.**, Properties of soil which influence wind erosion: III. Effect of apparent density on erodibility. IV. State of dry aggregate structure. V. Mechanical stability of structure. Soil Sci. 71. 1951, 141—153, 6 fig.; 72. 1951, 387—401, 5 fig., 465—478, 9 fig.
- Chevalier, A.**, Plantes de couverture pour pays tropicaux. Rev. int. Bot. appl. Agric. trop. 31. 1951, 272—275.
- Christiansen, W.**, Die Pflanzendecke als Zeiger für winderosionsgefährdete Böden. Schr. naturwiss. Ver. Schlesw.-Holst. 25. 1951, 152.
- Cook, J.**, Getting ready to take over. [soil and water conservation] Soil Conserv. 16. 1951, 201.
- Corddry, M. U.**, Country teacher. [soil conservation education] Land 10. 1951, 76—78.
- Cordukes, W. E., Turner, R. C., Ripley, P. O., and Atkinson, H. J.**, Water erosion of soil. Sci. Agric., Ottawa, 31. 1951, 152—161.
- Crosier, W. F.**, Determination and control of seed-borne organisms. Int. Seed Testing Assoc. Proc. 16 (1950). 1951, 286—290.
- De W. Walker, E., Clark, B. B., Hay, R. C., and Purnell, W. F.**, Handbook for directors of soil conservation districts. Illinois State Soil Conserv. Distr. Adv. Bd. (& Illinois Dept. Agric.), Springfield, 1951, 77 p.
- Dorsman, C.**, Bodemmotheid. Tuinbouw 6. 1951, 153—155.
- Dubslaff, H.**, Untergrundverdichtungen als Ursache für Ertragsminderungen. Dtsch. Landw. 2. 1951, 462—464, 6 Abb.
- Dykes, J. C.**, Soil conservation: methods of organization. U. N. sci. Conf. Conserv., Util. Resources Proc. 6. 1951, 56—60.
- Ellender, A. J.**, The (soil conservation) districts and national defense. Soil Conserv. 16. 1951, 198, 210, 212.
- Fedorintschik, N. S.**, (Die Bedeutung der Antagonisten bei Unterdrückung der durch den Boden übertragbaren Krankheitserreger.) (Arb. allruss. Inst. Pfl.schutz, Moskau-Leningrad), Liefg. 3. 1951, 69—73, 1 Abb.
- Fitzgerald-Lee, F.**, Basutoland's success with soil-conservation. New. Commonw. 21. 1951, 520—523. (Colon. Plant, Animal Prod., London, 2. 1951, 136.)
- Fox, C.**, Land erosion. West Austr. Farmers Co-op Gaz. 20. 1951, nr. 388, p. 11, 13—17.
- Franz, H.**, Biological soil research in relation to soil conservation. U. N. sci. Conf. Conserv., Util. Resources Proc. 6. 1951, 160—163.
- Grange, L. I.**, Soil survey in relation to soil conservation. U. N. sci. Conf. Conserv., Util. Resources Proc. 6. 1951, 123—124.
- Greene, H.**, Soil conservation in British Colonial Africa. Sols afr. 1. 1951, 13, 15, 17, 19.
- Guillaume, M.**, Organisation of soil conservation in the intertropical zone of the French Union. Sols afr. 1. 1951, 21, 23.
- Guilloteau, J.**, Inter-African organisations for soil conservation. Sols afr. 1. 1951, 45, 47, 49, 51, 53, 55, 57, 59.
- Hockensmith, R. D.**, Bases científicas para la conservación del suelo en las Américas. Asoc. Gen. Agr. B. 290. 1951, 2—3.
- Hueck, K.**, Eine biologische Methode zum Messen der erodierenden Tätigkeit des Windes und des Wassers. Ber. dtsch. bot. Ges. 64. 1951, 53—56, 2 Abb.
- Ingham, A. G.**, Farming the lazy way. [soil conservation] Land 10. 1951, 74—75.
- Jensen, H. L.**, Die Mikroflora des Bodens in ihren allgemeinen Beziehungen zum Pflanzenwuchs. J. sci. agric. Soc. Finland 23. 1951, 127—134.
- Johnson, V. W.**, Economics of soil conservation. U. N. sci. Conf. Conserv., Util. Resources Proc. 6. 1951, 75—79.
- King, B.**, Soil conservation forges ahead in the south-east. Soil Conserv. 17. 1951, 83—88, fig.
- Köhler, R.**, Soil survey in relation to soil conservation. U. N. sci. Conf. Conserv., Util. Resources Proc. 6. 1951, 130—135.
- Kostiakov, A. N.**, Osnovy melioratsii. (Principles of soil conservation.) Gos. Izd-vo Selkhoz Lit-ry, Moskva 1951. 5. Ed., 750 p.

- Kramer, P. J.**, Causes of injury to plants resulting from flooding of the soil. *Plant Physiol.* 26. 1951, 722—736.
- Ladewig, J. E.**, Soil conservation in Queensland. P. 7. The prevention and control of gully erosion. *Queensl. agric. J.* 72. 1951, 125—137. (Colon. Plant, Animal Prod., London, 2. 1951, 135.)
- Littlejohn, L. J. S.**, Soil conservation in Cyprus. *U. N. sci. Conf. Conserv., Util. Resources Proc.* 6. 1951, 10—12.
- Løddesøl, A.**, Soil conservation problems in Norway. *U. N. sci. Conf. Conserv., Util. Resources Proc.* 6. 1951, 43—49.
- MacDonald, E.**, The importance of soils to the maintenance of life. *Milk Board J.* 2. 1951, 66—67.
- Maner, C.**, The development of soil conservation in Kenya Colony. P. 1: The earlier years. P. 2: The last ten years of the half century. *World Crops* 3. 1951, 215—218, 258—261. (Colon. Plant, Animal Prod., London, 2. 1951, 136.)
- Maravalhas, N.**, Novo método para isolamento de microorganismos fungoestáticos do solo. (A new method for the isolation of fungistatic micro-organisms from the soil.) *Dusenía* 2. 1951, nr. 1, p. 21—24, 1 fig.
- Michel, A.**, La lutte contre l'érosion en montagne dans les Pyrénées-Orientales. *Rev. géogr. Pyrénées et Sud-Ouest, Toulouse*, 22. 1951, 307—312. (Ref. in *Rev. Forestière franç.* 4/122—123.)
- Norton, E. A.**, Watershed protection and increased production through soil and water conservation. *U. S. Soil Conserv. Serv., Washington*, 1951, 9 p.
- Osborn, B.**, Bomb shelters for the land! *Soil Conserv.* 16. 1951, 195—197, 211.
- Postma, H.**, The possible cause of disease symptoms in various crops on acid soils with high iron content in the neighbourhood of the river Vecht (Province of Overijssel). *Maandbl. Landbouwvoorl.dienst* 9. 1952, 275—276.
- Ranghel, G. A.**, The soil conservation service in Colombia. *U. N. sci. Conf. Conserv., Util. Resources Proc.* 6. 1951, 89—94.
- Rodríguez, Z. M.**, Erosion survey in the province of Bio-Bio, Chile. *U. N. sci. Conf. Conserv., Util. Resources Proc.* 6. 1951, 150—152.
- Romano, E.**, (The content in DDT, chlordane and hexachlorocyclohexane of oils coming from olive trees which have undergone treatment against the olive fly (*Dacus oleae*)). *Ann. Sperim. agr., Roma*, 5 (n. ser.) 1951, 289—295.
- Ruschmann, G.**, Über Antibiosen und Symbiosen von Bodenorganismen und ihre Bedeutung für die Bodenfruchtbarkeit. Mitt. I: Über Antibiosen und Symbiosen der Organismen auf festen Nährböden und in Nährlösungen. *Ztschr. Pfl.ernährg., Düngg., Bodenkunde* 55. 1951, 201—235.
- Sadasivan, T. S.**, Role of trace-elements in control of root-infecting fungi. *Indian Acad. Sci. Proc. (Sect. B)* 33. 1951, 135—149.
- Sekera, F.**, Beobachtungen über die »Mikroerosion« des Bodens. *Ztschr. Pfl.ernährg., Düngg., Bodenkunde* 55. 1951, 193—201, 5 Abb.
- Shadskii, S.**, (Control of root pests in (forest) nurseries and forest enterprises in Altai Territory.) [soil conservation] *Lesn. Khoz.* 4. 1951, nr. 12, p. 79—81.
- Spirhanzl, J.**, (The protection against the water and air erosion of soil.) *Masarykovy Akad. Práce Sborn.* 25. 1951 556—576.
- Springer, G.**, »Organic soil builders« oppose spray program. *Org. Farmer* 3. 1951, nr. 4, p. 28—33.
- Stremme**, Regenwürmer im Bodenprofil und ihre Vernichtung durch Salze. *Dtsch. Landw.* 2. 1951, 67—70, 6 Abb.
- Temple, L. G.**, Erosion — the great destroyer. *New York State Coll. Forestry, Syracuse Univ. State Ranger Sch. Alumni News* 1951, 24—26.
- Tscheremisnow, G. A.**, Borba s sasuchoj i eroziej potschow w lestepi. (Kampf gegen die Dürre und Bodenerosion in der Waldsteppe.) *Les i step* 3. 1951, 58—65.
- Verona, O.**, Possibilità e limiti nella difesa contro le avversità di origine non parassitaria. 1. Conf. int. Lutte contre Parasites Plantes 3.—6. 10. 1950 Rome. 1951, 202—212.
- Widmann, M.**, Barrages hydro-électriques et érosion des terrains en montagne. *Rev. Forest. franç., Nancy*, 1951, 640—646, 1 fig.
- Willis, D.**, Save the soil and save Texas. *Amer. Forests* 57. 1951, nr. 5, p. 6—9.
- Ziennicki, St.**, Wstepne badania nad erozja lessow Lubelszczyzny. (Einleitende Untersuchungen über die Erosion von Löss im Gebiet Lublin.) *Ann. Univ. Mariae Curie Skłodowska Lublin, Sect. E*, 6. 1951, 131—200.
- Zingg, A. W.**, A portable wind tunnel and dust collector developed to evaluate the erodibility of field surfaces. *Agron. J.* 43. 1951, 189—191.
- Zingg, A. W.**, and **Woodruff, N. P.**, Calibration of a portable wind tunnel for the simple determination of roughness and drag on field surfaces. *Agron. J.* 43. 1951, 191—193.
- La question de la défense des sols au Togo.** *Marchés colon.* 7. 1951, 1346. (Ref. in *Bois Forêts Trop.*, Paris, 20. 1951, 293—294.)

b. Mangelkrankheiten**Deficiency diseases****Maladies provoquées par manque de nourriture**

- Anderson, A. J.**, The influence of plant nutrients on symbiotic nitrogen fixation. Austr. Spec. Conf. Plant Anim. Nutr. Proc. 1949. 1951, 190—199.
- Anderson, E. T.**, Nutritional deficiencies in horticultural plants in the Prairie Provinces. West. canad. Soc. hortic. Rept. Proc. 7. 1951, 43—45.
- Bennett, J. P.**, Iron chlorosis. U. S. Dept. Agric. agric. Handb. 10. 1951, 230—232.
- Boischot, B.**, Trace elements. Bull. Assoc. franç. Étude Sol Jan. 1951.
- Boynton, D., Davidson, O. W., and Lilleland, O.**, Potassium deficiency. U. S. Dept. Agric. agric. Handb. 10. 1951, 224—227.
- Carter, O. R., Collier, B. L., and Davis, F. L.**, Blast furnace slags as agricultural liming materials. Agron. J. 43. 1951, 430—433.
- Casida, J. E., and Allen, T. C.**, Criteria for evaluating insecticidal phytotoxicity — root growth. J. econ. Ent. 44. 1951, 741—746, 2 fig.
- Castenmiller, G. M.**, Wat is er met het magnesium aan de hand? (What is wrong with magnesium?) Maandbl. Landbouwvoorl. dienst 8. 1951, 148—162.
- Chailakhyan, M. K.**, Effect of boron on development of plants lacking their roots. Dokl. Akad. Nauk USSR. 77. 1951, 1115—1118.
- Chandler, W. H.**, Zinc deficiency. U. S. Dept. Agric. agric. Handb. 10. 1951, 237—240.
- Chateau, R.**, Effect of boron on soil activity (dynamique) and the physiology of cultivated plants. Engrais 65. 1951, April—May, p. 11—12, 22.
- Clarke, R.**, Kenteken van kaliegebrek. (Signs of potash deficiency) Amsterdam 1951. 39 p.
- Coppenet, M., et Voix, S.**, Arrière-action des fumures manganeseuses et »manganèse du sol réductible par l'hydroquinone«. Compt. rend. Acad. Agric. France 37. 1951, 67—69.
- Cullinan, F. P., and Davidson, O. W.**, Phosphorus deficiency. U. S. Dept. Agric. agric. Handb. 10. 1951, 228—229.
- Delver, P.**, The causes of manganese-deficiency of market-crops on peat soils. Meded. Dir. Tuinbouw 14. 1951, 414—424.
- De Vries, Th.**, Het magnesiumvraagstuk van onze zandgronden. Bedrijfsvoorl. Sticht 4. 1951, nr. 2, p. 7—8.
- Di Lauro, B.**, Iniezioni ricostituenti ai terreni malati di esaurimento. Giorn. Ital. agric. 36. 1951, nr. 22, p. 3.
- Dorsman, C., en Wattel, M.**, De inundaties gedurende 1944—1945 en hun gevolgen voor de landbouw. Deel 7. Zoutschade bij tuinbouwgewassen. Versl. landb.kdg. Onderz., 's-Gravenhage, nr. 57.8. 1951, 55 p., 8 fig.
- Finger, H.**, Die Wirkung von Bor, Mangan, Kupfer und steigenden Kalkgaben auf rohhumushaltigem Heidesandboden. Landw. Forsch., Darmstadt, 3. 1951, 89—112, 18 Abb.
- Fischer, H.**, Pflanzenkrankheiten in der Baumschule durch Spurenelementmangel. Dtsch. Baumschule 3. 1951, 94—100.
- Fischer, H.**, Pflanzenkrankheiten und Spurenelemente. Gesunde Pflanzen 3. 1951, 61—65.
- Gaßner, J. K.**, Bormangel und Bodenmüdigkeit. Gartenwelt 51. 1951, 79—80.
- Gilbert, F. A.**, Is my soil deficient? Land News 4 (ser. 11). 1951, 21—24.
- Halle, J.**, Warnung vor dem Einspritzverfahren. Dtsch. landw. Presse 74. 1951, 20.
- Hansen, C. J.**, Boron-excess injury. U. S. Dept. Agric. agric. Handb. 10. 1951, 246—248.
- Hansen, C. J.**, Copper deficiency. U. S. Dept. Agric. agric. Handb. 10. 1951, 241—242.
- Hansen, C. J., Cullinan, F. P., and Proebsting, E. L.**, Boron deficiency. U. S. Dept. Agric. agric. Handb. 10. 1951, 244—245.
- Hasler, A.**, Über den Kalk und seine Beziehung zu anderen Nährstoffen, insbesondere zu Spurenelementen. Landw. Jahrb. Schweiz 65. 1951, 668—683, 5 Abb.
- Havis, A. L.**, Calcium deficiency. U. S. Dept. Agric. agric. Handb. 10. 1951, 243.
- Havis, A. L.**, Magnesium deficiency. U. S. Dept. Agric. agric. Handb. 10. 1951, 233—234.
- Hivon, K. J., Doty, D. M., and Quackenbush, F. W.**, Ascorbic acid and ascorbic-acid-oxidizing enzymes of manganese-deficient soybean plants grown in the field. Soil Sci. 71. 1951, 353—359.
- Huber, G.**, Gesunde Pflanzen durch Spurenelemente. Gartenwelt 51. 1951, 332.
- Jones, H. T.**, Magnesium as a plant nutrient. [deficiency] Chem. and Ind. (Rev.) 1951, nr. 50, p. 1108—1110.
- Katalymov, M. V.**, Causes of decreased availability of boron to plants after liming of soil. Dokl. Akad. Nauk USSR. 76. 1951, 863—866.
- Klemme, A. W.**, Boron deficiency in alfalfa. Missouri agric. Coll. Ext. Circ. 599. 1951, 4 p.
- Knickmann, E.**, Bordingung, wann und wie? Dtsch. Baumschule 3. 1951, 100—102.
- Köhnlein, J.**, Spurenelementtrummel? Bauernbl. Schlesw.-Holst. 5/101. 1951, 1149.

- Lal, K. N., and Subba Rao, M. S.**, Role of manganese in crop production. [deficiency] Sci. and Cult., Calcutta, 16. 1951, 553—558.
- Lilleland, O.**, Manganese deficiency. U. S. Dept. Agric. agric. Handb. 10. 1951, 235—236.
- Magie, R.**, Soil-minor element deficiencies. *Gladiolus* Mag. 15. 1951, nr. 4, p. 18—21.
- Masajewa, M. M.**, (Die Anzeichen von Magnesiummangel bei Pflanzen.) (Ber. Akad. Wiss. USSR.), biol. ser., 1951, 91—103.
- Mesa-Bernal, D.**, Functions of boron in plant life. Agric. trop. Bogota 7. 1951, nr. 2, p. 57—61.
- Meyer-Hermann, Spuren-Elemente und Wuchsstoffe.** Landw. Wochenbl. Kurh. u. Waldeck 166. 1951, 133.
- Michet, J.**, What are trace elements? [boron deficiency] Yonne Agric. 1951, nr. 40—41.
- Miedema, R. P. H.**, Stuivende gronden in Nederland. Dir. Landbouw, Afd. Akker- en Weidebouw, 's-Gravenhage, nr. 1. 1951, 24 p., 8 fig.
- Minton, N. A., Hagler, T. B., and Brightwell, W. T.**, Nutrient element deficiency symptoms of the rabbiteye blueberry. Assoc. south. Agric. Workers Proc. 48. 1951, 116.
- Němec, P.**, a. o., The function of trace elements in the nutrition of plants. II—III. Chem. Zvesti (Slovak.) 5. 1951, 254—271, 272—292.
- Ogihara, T., Kashioka, M., and Takefuji, K.**, (Studies on the nutrient deficiency symptoms in crops. I. Potassium deficiency symptoms in some upland crops.) Kyushu Noji Shikenjo 8. 1951, 19.
- Petrow, M. P.**, Nautschnaja sessija po obleseniju peskov Latvijskoj SSR. (Wissenschaftliche Beratung über die Bewaldung der Sande der SSR Lettland.) Lesn. chosjaistwo nr. 2. 1951, 13—16.
- Powell, T.**, Test plant leaves yourself to find soil deficiencies. Org. Farmer 3. 1951, nr. 5, p. 27.
- Proebsting, E. L., and Davidson, O. W.**, Nitrogen deficiency. U. S. Dept. Agric. agric. Handb. 10. 1951, 222—223.
- Riceman, D. S.**, Plant nutrition problems from an Australian viewpoint. Austr. Spec. Conf. Plant Anim. Nutrit. Proc. 1949. 1951, 163—169.
- Roach, W. A.**, Biochemistry. East Malling Res. Stat. Ann. Rept. 38 (1950). 1951, 34—37.
- Rui, D.**, (Virus and deficiency diseases.) Agric. Veronese (ital.) 4. 1951, nr. 12, p. 3.
- Rui, D., e Rostirolla, G.**, Leptonecrosi e malattie da carenza. Inform. Agr. 7. 1951, nr. 22, p. 9—10.
- Schropp, W.**, Der Vegetationsversuch. 1. Methodik der Wasserkultur höherer Pflanzen. Mit einem Anhang Nährstoffmangel-Erscheinungen an landwirtschaftlichen Kulturpflanzen. Neumann-Verlag, Radebeul u. Berlin 1951. XI+313 S., 65 Abb., davon 2 Farbt. (Methodenbuch Bd. 8).
- Sekera, F.**, Das Krankheitsbild des Gareschwundes. Ztschr. Pflernährg., Düngg., Bodenkunde 52. 1951, 150—160, 8 Abb.
- Steinberg, R. A.**, Correlations between protein-carbohydrate metabolism and mineral deficiencies in plants. In: Truog, E., Mineral nutrition of plants (Wisconsin Univ. Press, Madison 1951), 359—386.
- Stiles, W.**, Trace elements in plants and animals. Second edition. [molybdenum deficiency] Univ. Press, Cambridge 1951. XI+189 p., 13 fig.
- Thorne, D. W., Wann, F. B., and Robinson, W.**, Hypotheses concerning lime-induced chlorosis. Amer. Soil Sci. Soc. Proc. 15 (1950). 1951, 254—258.
- Tolner, J.**, (The Hooghalense disease.) [deficiency disease of plants] Drents Landbl. 32. 1951, nr. 19, p. 4.
- Verona, O., e Stefanelli, J.**, Breve nota sull'azione del sodio nella nutrizione dei vegetali (esperienze di orientamento con colture di spinacio e tabacco). Agric. ital. 51. 1951, 47—55.
- Verona, O., e Treggi, G. C.**, Una ricerca comparativa sull'influenza esercitata dal nitrato di sodio e dal nitrato di calcio sullo sviluppo di giovani piante di frumento. Agric. ital. (Tornar-Pisa) 51. 1951, 153—157.
- Viets, F. G.**, Zinc deficiency of corn and beans on newly irrigated soils in central Washington. Agron. J. 43. 1951, 150—151, 2 fig.
- Viets jr., F. G., Crawford, C. L., and Nelson, C. E.**, Field studies on zinc deficiency in corn in the Columbia Basin area. U. S. Bur. Plant Ind., Soils, agric. Engin., Div. Soil Mangt., Irrig. Res., Rept. 207. 1951, 10 p.
- Wallace, T.**, The diagnosis of mineral deficiencies in plants by visual symptoms. A colour atlas and guide. H. M. Stat. Off., London 1951. 2nd ed., vii+111 p., 156 tab.
- Wallace, T.**, Fertilising with trace elements. II^{ème} Congr. Engrais Chim., Rom, 22—25. 10. 1951, 12 p.
- Williams, R. D.**, The effects of deficiencies of several trace elements on tomaty (Phleum pratense L.) grown in solution culture. Plant and Soil 3. 1951, 257—266.
- Wilson, R. D.**, Molybdenum deficiency in plants. New South Wales Dept. Agric. Plant Dis. Leaf. 128. 1951, 5 p.
- Wind, J.**, Trace elements in agriculture. Maandbl. Landbouwvoordienst, Wageningen, 8. 1951, 23—233.
- Wolf, B.**, Neglected plant-food elements. Better Crops 35. 1951, 9—16, 36—37.
- Woodbridge, C. G.**, A note on the incidence of zinc deficiency in the Okanagan Valley of British Columbia. Sci. Agric., Ottawa, 31. 1951, 40, 2 fig.
- Deficiency disorders.** Gard. Chron. 129. 1951, 201.

c. Klimatische Einflüsse Climatic influences Influence du climat

- Aichele, H.**, Kleinklimatische Froststudien in der Baar. Arch. wiss. Ges. Land- u. Forstwiss., Freiburg, Nr. 2. 1951, 28—29, 1 Karte.
- Baker, K. F.**, Moisture and diseases; control of humidity important factor in reducing crop losses. Florists' Rev. 108. 1951, nr. 2798, p. 15—16, 46—51.
- Bernacca, E.**, A che punto siamo con la lotta contro la grandine? Terra e Sole 111. 1951, 393—395.
- Bernacca, E.**, La lotta contro la brina. Terra e Sole 102. 1951, 44—45.
- Biraghi, A.**, La lotta contro le malattie non parassitarie prodotte da fattori climatici. 1. Conf. int. Lutte contre Parasites Plantes 3.—6. 10. 1950 Rom. 1951, 367—371.
- Bock und Richter**, Die Wildbach- und Lawinenkatastrophen des Jahres 1951 in Österreich. Österr. Vierteljahrsschr. Forstwesen 92. 1951, 265—270, 2 Abb.
- Branas, J.**, Sur les gelées. [effects on plants] Progr. Agric., Vitic. 1951, 111—117.
- Cappello, L.**, (Hail protection by rockets.) Campagna (ital.) 50. 1951, 91—93.
- Çölaşan, U. E.**, (Étude sur les grêles de l'année 1947 dans la région d'Égée; leur origine et les moyens de les combattre.) Türkiye Cumhuriyeti Ziraat Bankası, Uc Ayda Bir Çıkar 24. 1951, 152—167.
- Dessens, H.**, À la recherche d'une ... technique anti-grêle. Phytoma, Paris, 4. 1951, nr. 32, p. 18—20, 2 fig.
- Duncan, D. P.**, Windbreaks for Kansas. Kansas State Coll. Agric. Ext. Leaf. 9. 1951, 6.
- Ellickson, J. C.**, Hail insurance on growing crops. U.S. Dept. Agric. agric. Inform. Bull. 56. 1951, 20 p.
- Gäumann, E.**, Über den Einfluß der Temperatur auf den Welke-Effekt beim toxischen Welken. Phytopath. Ztschr. 17. 1951, 330—333, 1 Abb.
- Gilead, H.**, (How the drought affected the area of Nahalal.) Hassadeh (hebr.) 32. 1951, 7—9.
- Godard, M.**, et Levy, J. F., La lutte contre les gelées au moyen de nuages artificiels dans le bas Languedoc en 1950. Minist. Agric. France Bull. Techn. Inform. 56. 1951, 86—105.
- Godske, C. L.**, (Local meteorology, micrometeorology and plant meteorology.) Frucht og Baer 4. 1951, 97—100.
- Hamilton, C. D.**, Notes on the 1951 Queensland drought. Austr. Forestry 15. 1951, 124—125.
- Hirt, R. R.**, Saving hurricane-damaged trees. Horticulture 29. 1951, 62.
- Jørstad, I.**, (Effect of climate on plant diseases.) Frucht og Baer 4. 1951, 127—130.
- Kammerer, E. L.**, Report on winter injury (winter 1950-51). Morton Arboretum Bull. Pop. Inform. 26. 1951, 17—20.
- Kramer, P. J.**, Causes of injury to plants resulting from flooding the soil. Assoc. south. Agric. Workers Proc. 48. 1951, 136.
- Lantelmé, W.**, Der Barfrost. [Aufgefrieren der obersten Bodenschicht] Forstw. Centralbl. 70. 1951, 628—638.
- Mann, H.**, Ein Beispiel starken sommerlichen Bodenfrostes. Angew. Meteorol. 1. 1951, 91—92, 3 Abb.
- Marsden, D. H.**, Hail injury to trees. Trees 12. 1951, 7, 18.
- Meißner, F.**, Hagelversicherung tut not! Bad. landw. Wochenbl. 118. 1951, 341.
- Milosavljević, M.**, (Expériences de lutte contre les nuages de grêle par avion.) Plant Prot., Beograd, nr. 6—7. 1951, 162—167.
- Montgomery, H. B. S.**, Water sprinkling against frost damage. N.A.A.S. Quart. Rev. nr. 11. 1951, 121—123.
- Neri, C.**, (Frost damage in Maremma in Viterbo.) Genio Rur. (ital.) 14. 1951, 349.
- Olney, A. J.**, Winter-killing of trees and fruits, 1950—51. Kentucky agric. Exp. Stat. Fruit Notes 4. 1951, nr. 4, p. 1—2.
- Parsons, H.**, Wind breaks. Gard. Chron. 130. 1951, 129.
- Purnell, D. C.**, and Ross, C. R., Windbreaks for western Oregon. Oregon State Coll. Ext. Bull. 714. 1951, 18 p.
- Recke, von der**, Windschutz — rechtzeitig. Dtsch. landw. Presse 74. 1951, 22, 4 Abb.
- Rogers, W. S.**, Protection from spring and autumn frosts by continuous water sprinkling. Grower 36. 1951, 626—628.
- Rui, D.**, I riflessi dell'irrigazione a pioggia sulla sanità delle colture. Inform. Agr. 7. 1951, nr. 20, p. 4; nr. 21, p. 5; nr. 23, p. 5.
- Rui, D.**, Risultati sperimentali della difesa anti-grandine 1950. Inform. Agr. 7. 1951, nr. 5, p. 5; nr. 9, p. 4.
- Sanson, J.**, La lutte contre la grêle est-elle possible? Bull. Engrais 330. 1951, 67—69.
- Santomauro, L.**, (New hail control methods.) Bull. Agric. 85. 1951, nr. 3, p. 1—2.
- Sato, Y.**, Miyakoshi, M., and Muto, K., Factors affecting cold resistance of tree seedlings. I—II. Hokkaido Univ. Coll. Agric. Coll., Exp. Forests Res. Bull. 15. 1951, 63—96.
- Schlumberger, O.**, Hilfsbuch für die Hagelabschätzung. Teil I u. II. P. Parey, Berlin u. Hamburg 1951. 2., neubearb. Aufl., je 20 Taf. m. Text (Parey's Taschenatlanten Nr. 9 u. 13).

- Schutte, H.**, De oprichting van een Onderlinge Noordelijke Groentekwekers Hagelverzekering Maatschappij. Tuinbouwberichten 6. 1951, nr. 9, p. 34—35; nr. 10, p. 38.
- Scossiroli, R.**, Esame del comportamento di tipi diversi di mais ai danni della grandine associata a forte vento. Not. Mal. Piante nr. 15. 1951, 2—9.
- Soenen, A., et Aerts, R.**, L'année météorologique 1950 dans la région fruitière du Limbourg. [maladie, conditions d'insectes] Agricultura, Louvain, 49. 1951, 46—56.
- Sørensen, M.**, (Windbreaks.) Dansk Landbr. 70. 1951, 563—564.
- Stefani, A.**, Difesa sperimentale contro la grandine. Giorn. Ital. agric. 36. 1951, nr. 44, p. 2.
- Sterten, A. K.**, (Wintering problems.) [crop injuries and diseases] Norsk Landbr. 17. 1951, 183—186.
- Suzuki, S.**, Nogyo kishogaku. (Agricultural meteorology.) Yoken-do, Tokyo 1951. 267 p.
- Suzuki, S., Yoshida, Y., and Arai, T.**, (Does frost really bring injury to plants? (Preliminary report.) Jap. J. agric. Meteorol. 7. 1951, 17—18.
- Tichomirow, B. A.**, O roli wetra w rasprostranienii rastenij na Krajnem Sewere. (Über die Rolle des Windes für die Pflanzenverbreitung im äußersten Norden.) Priroda (8). 1951, 23—25.
- Tögel, V.**, Achtung, Spätfroste! Ill. Flora 74. 1951, 42—43.
- Tukey, R. B.**, The physiology of winter injury. Hoosier Hort. 33. 1951, 156—158.
- Vade, S.**, Méthodes de lutte active contre la gelée blanche. Vie Campagne 40. 1951, 98—100.
- Van den Muijzenberg, E. W. B.**, Night-frost damage on various heights above ground. Fruitteelt 41. 1951, 354.
- Van Vuren, J. P. J.**, (Wind erosion.) Landbouweekblad 32. 1951, nr. 1656, p. 21, 23.
- Vinci, I.**, La difesa contro i danni atmosferici. Giorn. Italia agric. 36. 1951, nr. 49, p. 2.
- Wade, G. C.**, Weather in relation to plant diseases. Tasmanian J. Agric. 22. 1951, 61—63.
- Walmsley, L. G.**, Hail storms get hot reception; many of the blasts that rock the peaceful countryside of France and Italy can be attributed to the farmers shooting hail stones out of storm clouds with rockets. Family Herald, Wk. Star 82. 1951, nr. 39, p. 14.
- Wanke, K. G.**, Frostschutz durch Beregnung. Mitt. höh. Bundeslehr- u. Vers.anst. Wein-, Obst- u. Gartenb. Wien-Klosterneuburg 1. 1951, 155—159.
- Wiehler, Hagelschäden.** Hannov. land- u. forstw. Ztg. 104. 1951, 587.
- Witte, K.**, Frostabwehr durch Beregnung. Hann. land- u. forstw. Ztg. 104. 1951, 389.
- Witte, K.**, Untersuchungen zur Frage der Frostabwehr durch Beregnung. Wasser und Boden 3. 1951, 83—89. — Gärtnermeister 54. 1951, 145—146.
- Yarwood, C. E.**, Defoliation by a rain-favored, a dew favored, and a shade-favored disease. Phytopathology 41. 1951, 194—195, 1 fig.
- Floodwater and sediment damages in southeast Nebraska, resulting from the storms of May 30—June 2, 1951.** U.S. Soil Conserv. Serv. north. Great Plains Reg., Lincoln, 1951, 11 p.
- Fluctuations in crops and weather 1866—1984.** U.S. Dept. Agric. Statist. Bull. 101. 1951, 183 p.
- Frostschutz in hochwertigen Kulturen.** Meteorologische und klimatologische Voraussetzungen der Entstehung von Spät- und Frühfrostschäden und die Methoden ihrer Verhütung. Arb. dtsh. Landw.-Ges. 9. 1951, 46 S.
- Die Lawinenschäden 1950/1951 in der Schweiz.** Int. Holzmarkt, Wien, 42. 1951, 20.
- Organische bemesting ter beperking van nachtvorstschade.** Meded.bl. N. V. Vuilafvoer Mij »V. A. M.« 6. 1951, nr. 1, p. 1—2.
- Que faut-il penser de ... la lutte contre la grêle?** Phytoma, Paris, 4. 1951, nr. 26, p. 19—21.
- Schnee und Lawinen in den Schweizer Alpen, Winter 1949/50.** Winterbericht des Eidgen. Institutes für Schnee- und Lawinenforschung Weißfluhjoch. Buchdr. Davos, A.-G., Davos 1951, Nr. 14. (Ref. in Schweiz. Ztschr. Forstwesen 103/126.)
- Schnee und Lawinen in den Wintern 1936/37 bis 1945/46.** (Zusammenfassung der Winterberichte der Schweizer Schnee- und Lawinenforschungskommission und des Eidgen. Inst. für Schnee- und Lawinenforschung.) Buchdr. Davos, A.-G., Davos 1951, Nr. 1—10. (Ref. in Schweiz. Ztschr. Forstwesen 103/125.)
- d. Chemische Einflüsse, Industrieschäden, Schädigung der Pflanzen durch Pflanzenschutzmittel**
Chemical influences, industrial damage, damage caused by pest control materials
Influences chimiques, dégâts causés par l'industrie et des parasitocides
- Akamine, E. K.**, Persistence of 2,4-D toxicity in Hawaiian soils. Bot. Gaz. 112. 1951, 312—319.
- Allen, S. E., and Skoog, F.**, Phytotoxicity of imidazoline derivatives and related compounds. Plant Physiol. 26. 1951, 611—624.
- Allen, T. C., and Casida, J. E.**, Criteria for evaluating insecticidal phytotoxicity — aerial growth. J. econ. Ent. 44. 1951, 737—740, 1 fig.

- Andrén, F., Några fall av groningsskador efter betning. Växtskyddsnotiser, Stockholm, 15. 1951, 57—58, 1 fig.
- Ballezo, H., und Kaufmann, O., Mikromaßanalytische Bestimmung des Fluorions. Mikrochemie 38, 1951, 237—257.
- Bertossi, F., e Tomaselli, R., Forme biologiche delle piante e resistenza o suscettibilità al «2,4-D». Atti Ist. bot. Univ. Pavia 8. 1951, 139—144.
- Bonnemaison, L., et Jourdeuil, P., Influence de divers insecticides sur la germination et la croissance de quelques plantes cultivées. Parasitica 7. 1951, 81—108, 17 fig.
- Bornebusch, C. H., Insektgiftes indflydelse på jordbundsfaunaen. (Einfluß von Insektiziden auf die Bodenfauna.) Dansk Skovforen. Tidsskr. 36. 1951, 355—364.
- Bredemann, G., Biochemie und Physiologie des Fluors und der industriellen Fluor-Rauchschäden. Akademie-Verlag, Berlin 1951. VIII + 157 S.
- Ciferri, R., Anomalia nelle piante di mais da trattamenti diserbanti con «2,4-D». Not. Mal. Pianta nr. 14. 1951, 4—6.
- Czaja, A. Th., Pflanzenschäden durch staubförmiges Wasserglas. Ztschr. Pfl.krankh. u. -schutz 58. 1951, 54—61, 5 Abb.
- Do Amaral, S. F., Residual action of insecticides in peat soil — results of a field trial. Biológico, São Paulo, 17. 1951, 209—214.
- Downs, W. G., Bordas, E., and Navarro, L., Duration of action of residual DDT deposits on adobe surfaces. Science 114. 1951, 259—262.
- Eames, A. J., A correlation of severity of 2,4-D injury with stage of ontogeny in monocot stems. Science 114. 1951, 203.
- Ehrenhardt, H., Untersuchungen über den Einfluß von Hexachlorcyclohexan auf die Keimung von Samen und das Wachstum der Pflanzen. Mitt. Biol. Zentralanst. Berlin-Dahlem H. 70. 1951, 93—95.
- Everson, L. E., and Dunham, R. S., The effect of 2,4-dichlorophenoxyacetic acid on certain weed and crop seeds. Minnesota agric. Exp. Stat. Techn. Bull. 197. 1951, 24 p.
- Fenner, C. G., Gas injury to trees and shrubs. Arborist's News 16. 1951, 44—51.
- Fischer, C. W., and Keller, J. R., The prevention of decay in horticultural products by the use of brominated activated charcoal. Proc. amer. Soc. hortic. Sci. 57. 1951, 432—438, 7 fig.
- Fletcher, P., Chemicals in food products. [tolerance of insecticidal residues] Amer. Acad. appl. Nutrit. Mon. Newslet. J. 4. 1951, nr. 6, p. 3—6; nr. 7, p. 4—6.
- Flieg, O., und Pfaff, C., Über Wanderung und Abbau der 2,4-D im Boden sowie ihren Einfluß auf mikrobiologische Umsetzungen. Landw. Forsch., Darmstadt, 3. 1951, 113—123, 5 Abb.
- Forsyth, D. D., Abnormal seedlings from crop seeds treated with 2,4-D. Assoc. Off. Seed Anal. Proc. 41. 1951, 95—99.
- Foster, A. C., Some plant responses to certain insecticides in the soil. U. S. Dept. Agric. Circ. nr. 862. 1951, 41 p., fig., tab.
- Frohberger, E., Zur Wirkung der 2,4 D-Dichlorphenoxyessigsäure auf Gewebe und Stoffwechsel der Pflanzen. Höfchen-Briefe, Leverkusen, 4. 1951, 236—287, 37 Abb.
- Gould, E., and Hamstead, E. O., The toxicity of cumulative spray residues in soil. J. econ. Ent. 44. 1951, 713—717, 1 fig.
- Gould, W. A., Flavour evaluations of canned fruits and vegetables treated with newer organic insecticides. Ford Technology 5. 1951, 129—133.
- Hamilton, C. C., Toxicity of some of the newer insecticides to trees. Arborist's News 16. 1951, 29—36.
- Hamner, C. I., and Tukey, E. B., Chlorophyll inhibition and herbicidal action of 3-(alpha-imino-ethyl)5-methyl tetronic acid. Bot. Gaz. 112. 1951, 525—528.
- Hanf, M., Symptome der Schädigungen durch 2,4 D-Mittel. Mitt. Biol. Zentralanst. Berlin-Dahlem H. 70. 1951, 36—40, 2 Abb.
- Hanf, M., Wuchsschädigungen und Mißbildungen bei Anwendung 2,4-dichlorphenoxyessigsäurehaltiger Unkrautbekämpfungsmittel. Ztschr. Pfl.bau u. -schutz 2. 1951, 145—162, 10 Abb.
- Heath, D. F., and Llewellyn, M. V., Systemic insecticides on sprayed surfaces. Radioisotope techn. 1 (med., physiol. Applic.). 1951, 7 p.
- Helson, V. A., and Minshall, W. H., Further information concerning the use of herbicidal oils on the physiology of certain plants. Canada nat. Weed Comm., east. Sect., Proc. 4. 1951, 100—101.
- Holmes, E., Taint? What are the facts about BHC (benzene hexachloride)? Does it taint potatoes, cereals and fruit? Farmers Weekly, London, 34. 1951, nr. 14, p. 57.
- Kasting, R., and Woodward, J. C., Persistence and toxicity of parathion when added to the soil. Sci. Agric., Ottawa, 31. 1951, 133—138, 6 fig.
- Klingman, G. C., and Ahlgren, G. H., Effects of 2,4-D on dry weight, reducing sugars, total sugars, polysaccharides, nitrogen, and allyl sulfide in wild garlic. Bot. Gaz. 113. 1951, 119—134.
- Kloke, E., Einfluß von Pflanzenschutzmitteln auf Bodenorganismen und Pflanzenwachstum. (Vortrag.) Dtsch. bodenkundl. Ges., Kiel, Tagg. 10. 9. 1951.

- Kröger, H., Die Ausbildung von Adventivwurzeln unter der Wirkung von U 46. Ztschr. Pfl.krankh. 58. 1951, 326—327, 1 Abb.
- Krüger, E., Rauchschiäden durch Zink. Bergakademie (Sdr. Freiburger Forsch.hefte) Nr. 6. 1951, 47—51.
- Krüger, E., Die Verhütung von Rauchschiäden als pflanzenzüchterisches Problem. Sdr. Freiburger Forsch.hefte H. 2. 1951, 3 S.
- Leitenberger, L., Ein Beitrag zur Rauch- und Staubschadenfrage. Veröff. Bundesanst. alp. Landwirtschaft. Admont H. 5. 1951, 43—59, 1 Karte.
- Lihnell, D., och Norrbin, J., Skador av hormonderivat på kulturväxter. Växtskyddsnotiser, Stockholm, 15. 1951, 65—81, 18 fig.
- McMurray, S. F., Differential reaction of some southern inbred lines of corn to pre-emergence spraying with 2,4-D. South. Weed Conf. Proc. 4. 1951, 110—111.
- Marsden, D. H., Gas injury to trees. Plants and Gard. 7. 1951, 156—157. — Trees 11. 1951, nr. 2, p. 7, 20.
- Matthysse, J. G., and Clower, D., Factors involved in injury by mist blower DDT formulations. Nat. Shade Tree Conf. Proc. 27. 1951, 112—128.
- Mayer, A., Wachstumsbeeinflussungen durch die Reinisomere des Hexachloreyclohexan. Mitt. Biol. Zentralanst. Berlin-Dahlem H. 70. 1951, 98—103, 5 Abb.
- Mitchell, A. E., Weather affects spray injury. Amer. Fruit Grower 71. 1951, nr. 3, p. 13, 26—27.
- Möller Nielsen, H., Effect of hormone derivatives on cultivated plants. III. Reaction of various cultivated species to 2,4-D and 4K-2M. Årsskr. kongel. Vet., Landbohøjskole, København, 1951, 108—156, 30 fig.
- Paikin, D. M., (Über den Einfluß einiger Gifte auf die Pflanzenzelle.) (Arb. allruss. Inst. Pfl.schutz, Moskau-Leningrad), 3. Liefg. 1951, 191—200, 4 Abb.
- Patuelli, V., (Estimation of damages to crops caused by gaseous emanations.) Genio Rur. (ital.) 14. 1951, 62—66.
- Pesante, A., Sopra un caso di danneggiamento della vegetazione dovuto a sostanze catramose. (Über einen Fall von Schädigung der Vegetation infolge teeriger Substanzen.) Ann. Sperim. agr., Roma, 5 (n. ser.). 1951, 179—200, 12 fig.
- Peyresblanques, R., Résistance des plantes à la salure des eaux. Soc. Hortic., Acclim. Maroc Bull. 36. 1951, 130.
- Pijls, F. W. G., and Den Dulk, P. R., Boron toxicity in plants. Meded. Dir. Tuinbouw 14. 1951, 915—918.
- Pridham, A. M. S., Preliminary report on defoliation of nursery stock by chemical means. Northeast. Weed Control Conf. Proc. 5 (sup.). 1951, 127—138.
- Reckendorfer, P., Die Bestimmung von Fluor in rauchgeschädigten Pflanzen. Pfl.schutz-Berichte, Wien, 6. 1951, 113—124, 1 Taf.
- Schenk, P. J., (Materials injurious to plants in soil.) [chemicals, gas] Cult. en Handel (flem.) 17. 1951, 561—564.
- Schenk, P. J., (Substances in the air injurious to plants.) Cult. en Handel (flem.) 17. 1951, 698—701.
- Schönbrunner, J., Über die Empfindlichkeit verschiedener Kulturpflanzen und Unkräuter gegen chemische Unkrautbekämpfungsmittel. Pflanzenarzt, Wien, 4. 1951, Nr. 4, S. 2—6.
- Shields, S. E., Church jr., J. L., and Meade, R. H., History of residual spraying in Tennessee. [DDT] Assoc. south. Agric. Workers Proc. 48. 1951, 93 (Abstr.).
- Steyn, D. G., Excess of nitrates in soil can be dangerous; over-fertilisation may store poison in plants with fatal results to stock and humans. Farmer's Wk. (Bloemfontein) 82. 1951, 53.
- Thomas, M. D., Gas damage to plants. Ann. Rev. Plant Physiol. 2. 1951, 293—322.
- Togliani, F., I danni causati dai trattamenti antiparassitari. Inform. Fitopat., Bologna, nr. 10. 1951, 1—4, 10 fig.
- Turner, S. W., Aircraft in agriculture: prevention of chemical damage to crops. [2,4-D] West. Fruit Grower 5. 1951, nr. 11, p. 14.
- Viell, G., Variation de l'effet toxique en fonction de la quantité de poudre déposée dans les poudrages insecticides. Pomme Terre franç. 14. 1951, nr. 138, p. 14—15.
- Vukasovic, P., (De l'action du DDT et du HCC sur la germination et la croissance de jeunes plantes.) Yugosl. Minist. Poljoprivrede Arh. za Poljoprivredne Nauka i Teh. 4. 1951, nr. 6, p. 76—86.
- Walsh, T., Fleming, G. A., O'Connor, R., and Sweeney, A., Selenium toxicity associated with an Irish soil series. Nature, London, 168. 1951, 881.
- Wort, D. J., The effects of 2,4-D on the activity of plant enzymes. West. canad. Weed Control Conf. Proc. 5. 1951, 175—184.
- Damage to flowers by factory fumes. Gard. Chron. 130. 1951, 80.

c. Wunden — Wounds — Blessures

- Beer, Verheilung kleiner und größter Schnittwunden an Laubbäumen. Illustr. Flora, Wien, 74. 1951, 52—53.
- Steinmüller, M., Beiträge zur Kenntnis der Verheilung verletzter Pflanzenzellen; Untersuchungen an Milchröhren. Diss. Justus-Liebig-Hochschule Gießen 1951. 6 S. (Auszug).
- Wenzl, H., und Müller-Fembeck, J., Der Einfluß der Schichtdicke von Wundverschlußmitteln auf die Wundüberwallung. Bodenkultur, Wien, 5. 1951, 223—230, 2 Abb.

4. Pflanzliche Feinde

Vegetal parasites — Parasites végétaux

a. Bacteria

- Ark, P. A., and Scott, C. E.**, Elimination of crown gall; treating small galls on young trees with Elgetol-methanol mixture assures control in almond, peach, walnut orchard. [Agrobacterium tumefaciens] Calif. Agric. 5. 1951, nr. 7, p. 3.
- Baldacci, E.**, Sulla corretta diagnosi dei genere »Actinomyces« e della specie »bovis«. N. Ann. Igiene, Microbiol., Roma, 2. 1951, 231—233.
- Braun, A. C.**, Recovery of tumor cells from effects of the tumor-inducing principle in crown-gall. [Bact. tumefaciens] Science 113. 1951, 651—653.
- Buchanan, R. E., and Buchanan, E. D.**, Bacteriology. Macmillan Comp., N. York 1951. 5. ed., X + 678 p.
- Clark, F. E., and Carr, P. H.**, Motility and flagellation of the soil Corynebacteria. Journ. Bact. 62. 1951, 1—6, 2 Abb.
- Darpoux, H., et Faivre-Amiot, A.**, Sur un Actinomycète doué de propriétés bactériolytiques remarquables. Compt. rend. Acad. Sci., Paris, 226. 1948, 1046—1048.
- Davis, D., Henderson, L. M., and Powell, D.**, The niacin-tryptophan relationship in the metabolism of Xanthomonas pruni. J. biol. Chem. 189. 1951, 543—549, 1 fig.
- De Ropp, R. S.**, The crown-gall problem. Bot. Rev. 17. 1951, 629—670.
- Dye, D. W.**, The effects of chemicals and antibiotic substances on crown-gall (Agrobacterium tumefaciens (Smith and Townsend) Conn.). Part III. New Zealand J. Sci. Techn. (A) 33. 1951, nr. 3, p. 48—53, 1 fig.
- Dye, D. W., Hutchinson, P. B., and Hastings, A.**, Effect of chemicals and antibiotic substances on crown-gall (Agrobacterium tumefaciens (Smith and Townsend) Conn.). New Zealand J. Sci. (Sect. A) 31. 1951, nr. 6, p. 31—39.
- Elliott, C.**, Manual of bacterial plant pathogens. Chron. bot. Comp., Waltham (Massachus.) 1951. 2., rev. ed., VIII + 186 p., 6 fig.
- Garber, R. H., Schaal, L. A., and Fuhs, J. L.**, The selective action of pentachlorophenoxyacetic acid against Streptomyces scabies (Thaxt.) Waksman & Henrici in culture media. Phytopathology 41. 1951, 991—996, 2 fig.
- Garrard, E. H.**, Bacterial diseases of plants. Ontario Dept. Agric. Bull. 478. 1951, 69 p.
- Hollis, J. P.**, Stimulation of melanogenesis in Streptomyces scabies. Phytopathology 41. 1951, 17.
- Jacobs, S. E., and Mohanty, U.**, Studies in bacteriosis, XXVII. Factors influencing infection by Corynebacterium fascians (Tilford) Dowson. Ann. appl. Biol. 38. 1951, 237—245, 1 tab.
- Katznelson, H., and Sutton, M. D.**, Inhibition of plant pathogenic bacteria in vitro by antibiotics and quaternary ammonium compounds. Canad. J. Bot. 29. 1951, 270—278.
- Kelman, A., and Jensen, J. H.**, Maintaining virulence in isolates of Pseudomonas solanacearum. Phytopathology 41. 1951, 185—187.
- Kluyver, A. J., De Ley, J., and Rijven, A.**, The formation and consumption of lactobionic and maltobionic acids by Pseudomonas species. Antonie van Leeuwenhoek, J. Microbiol., Serol., 17. 1951, 1—14.
- McLachlan, D. S., and Thatcher, F. S.**, Studies in the nutrition of Corynebacterium sepedonicum (Spieck. and Kott.) Skapt. and Burkh. Canad. J. Bot. 29. 1951, 246—259, 5 fig., 1 tab.
- Manil, P., et Straszewska, Z.**, Désintégration de Agrobacterium tumefaciens par les ultrasons. Absence d'action tumorigène chez les produits obtenus. Bull. Inst. agron. Stat. Rech. Gembloux 19. 1951, 395—396.
- Mohanty, U.**, Corynebacterium fascians (Tilford) Dowson; its morphology, physiology, nutrition and taxonomic position. Trans. brit. mycol. Soc. 34. 1951, 23—34.
- Nitsch, J. P.**, Action du jus de tomate sur la croissance des tissus de crown-gall cultivés in vitro. Compt. Rend. Acad. Sci., Paris, 233. 1951, 1676—1677, 1 fig.
- Patel, M. K., Dhande, G. W., and Kulkarni, Y. S.**, Studies in some species of Xanthomonas. Indian Phytopath. 4. 1951, 123—140.
- Patel, M. K., and Kulkarni, Y. S.**, Nomenclature of bacterial plant pathogens. Indian Phytopath. 4. 1951, 74—84. — Curr. Sci. 20. 1951, 213—214.
- Patel, M. K., Kulkarni, Y. S., and Dhande, G. W.**, Three bacterial diseases of plants. [Xanthomonas begoniae, X. stizolobiicola, X. beticola in India] Curr. Sci. 20. 1951, 106.
- Porter, J. R.**, Bacterial chemistry and physiology. Wiley and Sons, Inc., New York 1946. 1073 p.
- Robbins, W. J., and Hervey, A.**, Contaminating bacteria in plant tumor tissues. Science 114. 1951, 322—323.
- Sabet, K. A., and Dowson, W. J.**, Action of phytopathogenic bacteria on pectate gel. Nature, London, 168. 1951, 605.
- Skinner, F. A.**, A method for distinguishing between viable spores and mycelial fragments of actinomycetes in soils. J. gen. Microbiol. 5. 1951, 159—166, 2 fig.

Stapp, C., Der Pflanzenkrebs und sein Erreger *Pseudomonas tumefaciens*. XV. Mitteilung: Weitere Untersuchungen über Virulenzbeeinflussungen und Bekämpfungsmöglichkeiten. *Phytopath. Ztschr.* 17. 1951, 333—347, 3 Abb.

Tsuyama, H., and **Sakamoto, M.**, Isolation methods of the soft-rot causing bacteria from the soil. [*Erwinia aroideae*] Tôhoku Univ. Rept. Inst. agric. Res. 3. 1951, 29—34.

Tsuyama, H., and **Sakamoto, M.**, Studies on the soil-borne, phytopathogenic bacteria. Part I. A seasonal variation of the soft-rot-causing bacteria in the soil. *Bull. Inst. agric. Res. Tohoku Univ.* 3. 1951, 13—22.

Voets, J. P., Sur les maladies bactériennes des plantes cultivées. *Ann. Agric., Hort.* 3 (1950/51). 1951, 160—164.

Wallace, R. H., and **Lochhead, A. G.**, Bacteria associated with seeds of various crop plants. *Soil Sci.* 71. 1951, 159—166.

Warren, J. R., **Graham, F.**, and **Gale, G.**, Dominance of an Actinomycete in a soil microflora after 2,4-D treatment of plants. *Phytopathology* 41. 1951, 1037—1039, 1 fig.

Werkman, C. H., and **Wilson, P. W.**, Bacterial physiology. *Acad. Press, New York* 1951. XIV + 707 p.

b. Myxophyta

c. Fungi

Allgemeiner Teil

General part — Partie générale

Ahmad, S., Fungi of Pakistan—III. *Sydowia* 5. 1951, 390—395.

Ahmed, Q. A., Fungous flora of Dacca and suburbs. I. *Bull. bot. Soc. Beng.* 5. 1951, nr. 1, p. 51—54.

Aytoun, R. S. C., A method of controlling fungal spores or mycelium during treatment with liquids. *Nature, London*, 167. 1951, 411—412.

Baker, R. E. D., and **Dale, W. T.**, Fungi of Trinidad and Tobago. *Mycol. Pap. (Commonw. mycol. Inst., Kew)* nr. 33. 1951, 123 p., 44 fig., 4 tab. col., 1 tab. geogr.

Bell, F. H., Distribution of hyphae of several plant-pathogenic fungi in leaf tissue. *Phytopathology* 41. 1951, 3.

Chaves Batista, A., Alguns fungos de fumagina de Pernambuco. *Mycopath., Mycol. appl., Den Haag*, 5. 1951, 147—172, 17 tab. (65 fig.).

Chochrjakow, M. K., (Einige Fragen der Pilzsystematik.) (*Arb. allruss. Inst. Pflschutz, Moskau-Leningrad*), 3. Liefg. 1951, 222—234.

Christensen, C. M., The molds and man. An introduction to the fungi. *Univ. Minnesota Press, Minneapolis* 1951. VIII + 244 p., 8 fig., 1 tab.

Christensen, J. J., and **Daly, J. M.**, Adaptation in fungi. *Ann. Rev. Microbiol.* 5. 1951, 57—70.

Ciccarone, A., Primo contributo alla conoscenza de Micromiceti dell' Africa orientale. *Mycopath., Mycoli. appl., Den Haag*, 5. 1951, 208—235.

Cutter jr., V. M., The cytology of the fungi. *Ann. Rev. Microbiol.* 5. 1951, 17—34.

De A. Noronha, E., Subsídio para o estudo da flora micológica de Angola. (Contribution to the study of the mycological flora of Angola.) *Agron. angol.* nr. 5. 1951, 85—94.

De Sousa da Camara, E., *Mycetes aliquot lusitaniae.* XI—XII. *Agron. lusit.* 13. 1951, 117—151, 3 tab.; 185—212, 3 tab.

Ellis, M. B., **Ellis, E. A.**, and **Ellis, J. P.**, British marsh and fen fungi. I—II. *Trans. brit. mycol. Soc.* 34. 1951, 147—169, 14 fig.; 497—514, 10 fig.

Esfandiari, E., Neue iranische Pilze. *Sydowia* 5. 1951, 366—370.

Garrett, S. D., Ecological groups of soil fungi: a survey of substrate relationships. *New Phytologist* 50. 1951, 149—166.

Goidánich, G., (What is a fungus disease?) *Giorn. Agric.* 61. 1951, 182.

Gregory, P. H., The fungi of Hertfordshire. *Trans. Hertfordshire nat. Hist. Soc., Fld. Cl.*, 23. 1951, 137—208.

Hesler, L. R., Notes on southern Appalachian fungi, IX. *J. Tennessee Acad. Sci.* 26. 1951, 4—14.

Hino, I., The fungi collected in Misima Island. *Bull. Fac. Agric. Yamaguti Univ.* 2. 1951, 114—120, 1 tab. geogr.

Hughes, S. J., Studies on micro-fungi. III—XIII. *Mycol. Pap., Kew*, nr. 36. 1951, 44 p., 22 fig., 1 tab.; nr. 37. 1951, 17 p., 5 fig.; nr. 38. 1951, 8 p., 2 fig.; nr. 39. 1951, 24 p., 15 fig., 1 tab.; nr. 41. 1951, 17 p., 6 fig.; nr. 42. 1951, 28 p., 12 fig., 1 tab.; nr. 43. 1951, 25 p., 6 fig., 1 tab.; nr. 44. 1951, 18 p., 9 fig.; nr. 45. 1951, 36 p., 11 fig.; nr. 46. 1951, 35 p., 30 fig.; nr. 47. 1951, 15 p., 10 fig.

Kelly, C. D., **Pady, S. M.**, and **Polunin, N.**, Aerobiological sampling methods from aircraft. *Canad. J. Bot.* 29. 1951, 206—214, 1 fig., 2 tab.

Kobayasi, Y., Notes on fungi. 2. Japanese old publications and manuscripts on mushrooms. *J. jap. Bot.* 26. 1951, 189—192.

Lambert, E. B., and **Ayers, T. T.**, A two-phase system of pasteurizing for mushroom culture. *Phytopathology* 41. 1951, 563.

- Lilly, V. G., and Barnett, H. L., *Physiology of the fungi*. McGraw-Hill Book Comp., Inc., New York/Toronto/London 1951. XII + 464 p., 81 fig.
- MacDonald, J. A., *Introduction to mycology*. Butterworths sci. Publ., Ltd., London 1951. X + 177 p., 163 fig.
- Mains, E. B., *Notes concerning entomogenous fungi*. Bull. Torrey bot. Club 78. 1951, 122—133.
- Mayor, E., *Notes mycologiques*. XIII. Bull. Soc. neuchâtel. Sci. nat. 74. 1951, 5—27.
- Pady, S. M., *Fungi isolated from arctic air in 1947*. Canad. J. Bot. 29. 1951, nr. 1, p. 46—56, 1 tab.
- Patel, M. K., Gokhale, V. P., and Kulkarni, N. B., *Additions to fungi of Bombay*. I. Indian Phytopath. 4. 1951, 64—66.
- Perišić, M., (Contribution à la connaissance des champignons parasites des plantes cultivées de la région de Métohija (Rep. Yougoslave) en 1949.) Plant Prot., Beograd, 1. 1951, nr. 3, p. 73—75.
- Ramakrishnan, T. S., *Additions to fungi of Madras*. X. Proc. Indian Acad. Sci. (Sect. B) 34. 1951, nr. 2, p. 63—72, 10 fig.
- Sanwal, B. D., *Taxonomical notes on tropical fungi*. I. Sydowia 5. 1951, 384—387.
- Singh, R. S., *Root-rot of guar*. [Cyamopsis] Sci. and Cult. 17. 1951, 131—134.
- Sprague, R., *Some leafspot fungi on western Gramineae-VI*. Mycologia, Lancaster, 43. 1951, 549—569, 1 fig.
- Sprongl, K., *Beiträge zur Pilzflora des Gaadener Beckens in Niederösterreich*. Sydowia 5. 1951, 135—153.
- Stevenson, J. A., *A résumé of the activities of the mycological collections of the United States Department of Agriculture, with a phytopathological slant, 1885—1950*. Plant Dis. Repr. Suppl. 200. 1951, 21—29.
- Talbot, P. H. B., *New and interesting records of South African fungi*. Bothalia 6. 1951, nr. 1, p. 183—204, 17 fig.
- Teramoto, T., (Contributions to the Japanese fungus flora. II.) Tokyo Univ. Forest. Bull. nr. 39. 1951, 209—218, 3 fig.
- Thirumalachar, M. J., and Lacy, R. C., *Notes on some Indian fungi*. I. Sydowia 5. 1951, 124—128, 1 tab.
- Thirumalachar, M. J., and Mundkur, B. B., *Revisions of and additions to Indian fungi*. III. Commonw. mycol. Inst., Kew, Mycol. Pap. nr. 40. 1951, 15 p., 16 fig.
- Thirumalachar, M. J., and Safeulla, K. M., *Some new or interesting fungi*. III. Sydowia 5. 1951, 439—444, 1 fig.
- Troll, W., and Rau, W., *Mykologische Studien*. Abb. Akad. Wiss., Lit. (math.-naturw. Kl.) Nr. 4. 1951, 119—137, 9 Abb. (Verl. Akad. Wiss., Lit., Mainz, u. F. Steiner Verl., GmbH., Wiesbaden).
- Tscherepanow, S. K., (Neun neue Pilzarten aus der umdurischen ASSR. und dem Bezirk Kirow.) (Bot. Ztschr. Akad. Wiss. USSR.) 36. 1951, 270—276, 9 Abb.
- Viennot-Bourgin, G., *Notes mycologiques*. III. Partie. Micromycètes récoltés dans le massif du Pelvoux au mois d'août 1950. Rev. Path. vég. Ent. agric. France 30. 1951, 35—53, 2 fig.
- Wallace, G. B., and Wallace, M. M., *Tanganyika fungus list: recent records* nr. XV. Tanganyika Dept. Agric. mycol. Circ. nr. 31. 1951, 6 p.
- Warcup, J. H., *The ecology of soil fungi*. Trans. brit. mycol. Soc. 34. 1951, 376—399, 8 fig.
- Webster, J., *Graminicolous pyrenomycetes*. I. The conidial stage of *Tubeufia helicomyces*. II. The occurrence of the perfect stage of *Helminthosporium teres* in Britain. III. The occurrence of *Microthyrium culmigenum* on grasses in Britain. Trans. brit. mycol. Soc. 34. 1951, 304—308, 2 fig.; 309—317, 2 fig., 2 tab.; 318—321, 1 fig., 1 tab.
- Whitehouse, H. L. K., *The significance of some sexual phenomena in the fungi*. Indian Phytopath. 4. 1951, 91—105, 1 fig.
- Winter, A. G., *Untersuchungen über die Ökologie und den Massenwechsel bodenbewohnender mikroskopischer Pilze*. II. Mitteilung. Der Einfluß organischer Nährstoffe auf die Entwicklung einiger Pilze (*Cladosporium* sp., *Chaetomium* sp., *Fusarium* sp., *Verticillium glaucum*, *Penicillium* sp., *Rhizoctonia solani* u. a.) in natürlichen und partiell sterilisierten Böden. Arch. Mikrobiol. 16. 1951, 136—162, 20 Abb.
- Yamamoto, W., *Studies on the dissemination of sooty moulds by insects*. Mem. Hyogo prefect. Univ. Agric. 1. 1951 (Phytopath. Ser. nr. 1), nr. 2, 50 p.
- Damping-off of seedlings**. New South Wales Dept. Agric. Plant Dis. Leaflet. 83. 1951, 2 p.
- Mushroom science**. I. The Proceedings of the First International Conference on Scientific Aspects of Mushroom Growing, held at Peterborough, Northamptonshire, England, 3rd to 11th May, 1950. [1951], 111 p., 27 fig.
- La mycothèque**. Catalogues des collections vivantes, herbiers et documents. II, III. Mus. nat. Hist. nat., Lab. Crypt., Paris, 1949, 60 p., 2 fig., 13 tab.; 1951, 4 fig., 5 tab.
- Nuevas determinaciones micológicas para Chile**. (New mycological determinations for Chile.) Agric. técn. Chile 11. 1951, 86—90.
- Report Mushroom Research Station, Yaxley, for year 1950**. Mushroom Res. Assoc., Yaxley, Peterborough, 1951, 40 p., 7 fig.

Spezieller Teil
Special part — Partie spéciale

Archimycetes

- Boyd, A. E. W.**, Susceptibility of *Solanum curtilobum* to *Spongopora subterranea* (Wallr.) Johnson. Nature, London, 167. 1951, 412.
- Cook, M. T.**, Distribution of species of *Synchytrium* in North America. Mycologia, Lancaster, 43. 1951, 590—597, 1 tab. geogr.
- Cook, M. T.**, Species of *Synchytrium* in Louisiana. VI. Two new species on *Impatiens* and *Smilax*. Mycologia, Lancaster, 43. 1951, 103—107, 12 fig.
- Goldie-Smith, E. K.**, A new species of *Sorodiscus* (*S. cokeri*) on *Pythium*. J. Elisha Mitchell sci. Soc. 67. 1951, 108—121.
- Gupta, S. C.**, and **Sinha, S.**, Further additions to the *Synchytria* of India. Indian Phytopath. 4. 1951, 7—10, 1 tab.
- Payak, M. M.**, A *Synchytrium* disease of udid beans. [S. ajekari n. sp. on *Phaseolus mungo*] Curr. Sci. 20. 1951, 103—104.

Phycomycetes

- Anderson, E. J.**, A simple method for detecting the presence of *Phytophthora cinnamomi* rands in soil. Phytopathology 41. 1951, 187—189.
- Bitancourt, A. A.**, and **Rossetti, V.**, Stimulation of growth of *Phytophthora citrophthora* by a gas produced by *Mucor spinosus*. Science 113. 1951, 531.
- Cantino, E. C.**, Metabolism and morphogenesis in a new *Blastocladiella*. Antonie van Leeuwenhoek, J. Microbiol., Serol., 17. 1951, 325—362, 21 fig.
- De Bruyn, H. L. G.**, Pathogenic differentiation in *Phytophthora infestans* (Mont.) DeBary. Phytopath. Ztschr. 18. 1951, 339—359, 4 Abb.
- Hyre, R. A.**, and **Cox, R. S.**, Studies in the physiology of *Phytophthora phaseoli*. Phytopathology 41. 1951, 562.
- Iwata, Y.**, Studies on the modes of penetration of several peronosporaceous fungi on their hosts and other plants. Ann. phytopath. Soc. Japan 12. 1951, 2—4, 97—108.
- Knaphus, G.**, Vertical distribution of *Pythium graminicola* in soil. M. S. Thesis, Iowa State Col. Library 1951.
- Mehrotra, B. S.**, Physiological studies of some *Phytophthoras*. III. Carbon requirements. Lloydia, Cincinnati (Ohio), 14. 1951, 122—128, 1 fig.
- Natrass, R. M.**, and **Ryan, M.**, New hosts of *Phytophthora infestans* in Kenya. Nature, London, 168. 1951, 85—86.

- Pelluchi, L.**, Segnalazione dell'*Albugo candida* su di una nuova pianta ospite. Not. Mal. Piante nr. 17. 1951, 39—46.
- Reinholdt, B.**, Über die Verteilung einiger niederer Phycomyceten im Erdboden. Arch. Mikrobiol. 16. 1951, 177—200.
- Seaver, F. J.**, The North American cup-fungi (Inoperculates). New York 1951. IX + 428 p., 75 tab., 1 tab.col.
- Shaw, C. D.**, and **Yerkes, W. D.**, The downy mildews (Peronosporaceae) of the Pacific Northwest. Northwest. Sci., Washington, 25. 1951, 76—82.
- Shaw, Ch. G.**, New species of the Peronosporaceae. Mycologia, Lancaster, 43. 1951, 445—455, 8 fig.
- Wallin, J. R.**, Forecasting tomato and potato late blight in the north-central region. [Phytophthora] Phytopathology 41. 1951, 37.

Ascomycetes

- Arx, J. A. v.**, Eine neue Discomycetengattung aus Skandinavien. [Chaetonaevia Nannfeldtii] Antonie van Leeuwenhoek, J. Microbiol., Serol., 17. 1951, 85—89, 2 Abb.
- Arx, J. A. v.**, Über die Gattung *Laestadia* und die Gnomoniaceen. Antonie van Leeuwenhoek, J. Microbiol., Serol., 17. 1951, 259—272, 3 Abb.
- Aycock, R.**, Some nuclear phenomena in *Physalospora obtusa*. Phytopathology 41. 1951, 459—465, 1 fig.
- Bakshi, B. K.**, Development of perithecia and reproductive structures in two species of *Ceratocystis*. [Ceratocystis piceae, C. autographa n. sp.] Ann. Bot., London, 15 (n. ser.). 1951, nr. 57, p. 53—61, 4 fig., 1 tab.
- Berdouco, J.**, Mutation de *Nectria galligena* traitée par l'hydroxine. Compt. rend. Acad. Sci., Paris, 232. 1951, 1230—1232, 1 fig.
- Biraghi, A.**, Sul proposto raggruppamento di *Endothia fluens* (Sow.) S. et S. e di *Endothia parasitica* (Murr.) P. J. et H. W. And. in un'unica specie. Boll. Staz. Pat. veg. 9 (3. ser.). 1951, 133—157, 10 fig.
- Bitancourt, A. A.**, e **Da Costa Neto, J. P.**, (Elsinoaceae from Rio Grande do Sul, Brazil.) Arq. Inst. biol., São Paulo, 20. 1950—51, 29—34.
- Bitancourt, A. A.**, and **Jenkins, A. E.**, (Studies in the Myriangiales. II. Twenty new neotropical species of Elsinoaceae.) Arq. Inst. biol., São Paulo, 20. 1950—51, 1—28.
- Blumer, S.**, Beiträge zur Kenntnis der Erysiphaceen. 2. Mitteilung. Phytopath. Ztschr. 18. 1951, 101—110, 3 Abb.
- Cash, E. K.**, Some new species of Discomycetes from Mount Shasta. Mycologia, Lancaster, 43. 1951, 229—234.
- Chesters, C. G. C.**, and **Rolinson, G. N.**, Zinc in the metabolism of a strain of *Aspergillus niger*. J. gen. Microbiol. 5. 1951, 553—558, 3 fig.

- Deighton, F. C.**, New African Meliolaceae. Sydowia 5. 1951, 1—8.
- Démétriades, S. D.**, Études sur la biologie du *Sclerotinia sclerotiorum* (Lib.) Massee. I. L'influence de la pression osmotique du milieu. Ann. Inst. phytopath. Benaki 5. 1951, 65—75, 3 fig.
- Démétriades, S. D.**, Quelques observations sur le *Sclerotinia sclerotiorum* (Lib.) Massee. Ann. Inst. phytopath. Benaki 5. 1951, 40—46, 2 fig.
- Dingley, J. M.**, The Hypocreales of New Zealand. I—II. Transact. R. Soc. N. Zeal. 79. 1951, 55—61, 1 tab., 177—202, 4 tab.
- Fitzpatrick, H. M.**, Notes on *Corynelia oreophila* (Speg.) Starb. and closely related species. Mycologia, Lancaster, 43. 1951, 437—444, 11 fig.
- Graddon, W. D.**, Some new discomycete records. Trans. brit. mycol. Soc. 34. 1951, 190—193, 4 fig.
- Gremmen, J.**, Enige belangrijke inoperculate Discomyceten van de Veluwe en de Veluwe-Zoom. (Some important inoperculate Discomycetes from the Veluwe and the Veluwe-Zoom.) Fungus 21. 1951, nr. 4, p. 70—79, 2 fig., 1 tab. geogr.
- Hårdh, H. J. E.**, (On the pathogenicity of *Monilinia fructigena* (Aderh. et Ruhl.) Honey and control with parathion.) Maataloust. Aikakausk., Finland, 23. 1951, 79—87.
- Hawker, L. E.**, Morphological and physiological studies on *Sordaria destruens* (Shear) comb. nov. (syn. *Melanospora destruens*, *Sordaria fimicola* and *Melanospora zamiae*). Trans. brit. mycol. Soc. 34. 1951, 174—186, 5 fig.
- Hecht, W.**, Ertrags- und Gehaltsschwankungen bei *Claviceps purpurea* Tulasn. Pharmazie 6. 1951, 291—296, 3 Abb.
- Horsfall, J. G.**, Relative specificity of *Sclerotinia* and *Stemphylium* to toxicants. Phytopathology 41. 1951, 658.
- Ingold, C. T.**, Aquatic ascomycetes: *Ceriospora caudaeusis* n. sp., *Ophiobolus typhae*. Trans. brit. mycol. Soc. 34. 1951, 210—215, 3 fig., 1 tab.
- Keitt, G. W.**, and **Boone, D. M.**, Gene pairs conditioning pathogenicity in *Venturia inaequalis*. Phytopathology 41. 1951, 19.
- Kiryu, T.**, (An investigation on the damage suffered by the banded sclerotial blight of rice plant in Chikugo district.) Kyushu Noji Shikinjō 8. 1951, 87—88.
- Kobel, F.**, Untersuchungen über toxische Stoffwechselprodukte von *Nectria cinnabarina* (Tode) Fr. Diss. Nr. 1945 Eidg. Techn. Hochschule Zürich 1951. — Phytopath. Ztschr. 18. 1951, 157—195, 13 Abb.
- Kreitlow, K. W.**, and **Sprague, V. G.**, Effect of temperature on growth and pathogenicity of *Sclerotinia trifoliorum*. Phytopathology 41. 1951, 752—757, 1 fig.
- Luttrell, E. S.**, The morphology of *Dothidea collecta*. Amer. J. Bot. 38. 1951, 460—471, 33 fig.
- McGahan, J. W.**, and **Wheeler, H. E.**, Genetics of *Glomerella*. IX. Perithecial development and plasmogamy. Amer. J. Bot. 38. 1951, 610—617.
- Mathiesen, A.**, Einige neue *Ophiostoma*-Arten in Schweden. Svensk bot. Tidskr. 45. 1951, 203—232, 8 fig.
- Mezzetti, A.**, Ricerche sulla biologia della *Melanospora damnosa* (Sacc.) Lindau. III. Contributo. Ricerche morfologiche. Boll. Staz. Pat. veg., Roma, 7 (ser. 3) (1949). 1951, 25—42, 8 fig., 3 tab.
- Müller, E.**, Neue, alpine Arten der Gattung *Leptosphaeria*. Sydowia 5. 1951, 49—55, 5 Abb.
- Müller, E.**, Die schweizerischen Arten der Gattungen *Clathrospora*, *Pleospora*, *Pseudoplea* und *Pyrenophora*. Sydowia 5. 1951, 248—310, 20 Abb.
- Müller, E.**, Über die Entwicklung von *Pleospora gaeumanni* nov. spec. Ber. schweiz. bot. Ges. 61. 1951, 168.
- Nason, A.**, **Kaplan, N. O.**, and **Colowick, S. P.**, Changes in enzymatic constitution in zinc-deficient *Neurospora*. J. biol. Chem. 188. 1951, 397—406.
- Nicholas, D. J. D.**, and **Fielding, A. H.**, The use of *Aspergillus niger* (M) for the determination of magnesium, zinc, copper and molybdenum available in soils to crop plants. J. hort. Sci. 26. 1951, 125—147, 10 tab.
- Olive, L. S.**, Homothallism and heterothallism in *Glomerella*. Trans. N. York Acad. Sci. (ser. II) 13. 1951, 238—242.
- Orsenigo, M.**, Contributo alla conoscenza del genere *Endothia*. I. Analisi statistica delle dimensioni delle ascospore di alcune specie. II. Identificazione fra *E. parasitica* (Murr.) P. J. et H. W. And. ed *E. fluens* (Sow.) S. et S. e loro fusione in *E. radicalis* (Schw.) De Not. Considerazioni sulla patogenicità delle specie e sulla classificazione del genere. (Contribution to the knowledge of the genus *Endothia*. I. A statistical analysis of the ascospore measurements of some species. II. Identification of *E. parasitica* (Murr.) P. J. and H. W. And. and *E. fluens* (Sow.) S. and S. and their fusion in *E. radicalis* (Schw.) De Not. Considerations on the pathogenicity of the species and on the classification of the genus.) Phytopath. Ztschr. 18. 1951, 196—220, 5 fig.
- Petrak, F.**, *Diehlia* n. gen., eine neue Diskomyzeten-gattung mit gefärbten Sporen. Sydowia 5. 1951, 311—314, 1 Abb.
- Petrak, F.**, Über die Gattungen *Botryostroma* v. Höhn. und *Parodiellina* Viegas. Sydowia 5. 1951, 429—431.
- Ramsbottom, J.**, and **Balfour-Browne, F. L.**, List of Discomycetes recorded from the British Isles. Trans. brit. mycol. Soc. 34. 1951, 38—137.

- Rosenberg, D. Y.**, Stimulation and inhibition of conidial germination of *Aspergillus niger*. *Phytopathology* 41. 1951, 943.
- Sawada, K.**, (Researches on fungi in the Tohoku district of Japan. I. Erysiphaceae.) *Rin-Go-Shiken-Hokoku* 50. 1951, 97—140.
- Sobel, F.**, Über Mutterkorn. [Claviceps] *Mühle* 88. 1951, 604—605.
- Tanrikut, S., and Vaughan, E. K.**, Studies on the physiology of *Sclerotinia sclerotiorum*. *Phytopathology* 41. 1951, 1099—1103, 2 fig.
- Valenta, V.**, Nový rastlinný parazit (*Penicillium brevicompactum*). *Sborník českosl. Akad. Zeměd., Praha*, 24. 1951, 281—288.
- Venkatakrishnaiya, N. S.**, The perithecial stage of *Erysiphe polygoni* DC. on pea (*Pisum sativum* Linn.). *Curr. Sci.* 20. 1951, 137—138.
- Vergara Castillo, C.**, Un aporte al estudio de campo y de laboratorio del hongo *Nectria galligena* Bres. *Mexico Ofic. Estud. Espec. Fol. Misc.* 4. 1951, 224—233.
- Vollema, J. S.**, (The agricultural side of blister blight control.) *Bergcultures, Buitenzorg*, 20. 1951, 235—236.
- Wang, S. C.**, Studies on *Physalospora tucumanensis* Speg. *Proc. Congr. int. Soc. Sugar Cane Technol.* 1950. 1951, 513—518, 1 fig.
- Wehmeyer, L. E.**, Studies in the genus *Pleospora*. III—IV. *Mycologia, Lancaster*, 43. 1951, 34—53, 23 fig.; 570—589, 20 fig.
- Wheeler, H. E.**, The use of C^{14} -labeled sucrose for «tagging» fungus mycelium. [Glomerella] *Phytopathology* 41. 1951, 38.
- Sooty mould.** *New South Wales Dept. Agric. Plant Dis. Leaflet* 21. 1951, 2 p.
- Studies on four species of Ceratocystis**, with a discussion on fungi causing sapstain in Britain. *Commonw. mycol. Inst., Kew, Mycol. Pap. nr. 35*. 1951, 16 p., 4 fig., 3 tab.

Basidiomycetes

- Batts, C. C. V.**, Physiologic specialization of *Puccinia graminis* Pers. in South-East Scotland. *Trans. brit. mycol. Soc.* 34. 1951, 533—538.
- Bliss, D. E.**, The destruction of *Armillaria mellea* in citrus soils. *Phytopathology* 41. 1951, 665—683, 3 fig.
- Boidin, J.**, Sur la présence des anastomoses d'anastomose dans le carpophore de quelques basidiomycètes résupinés. *Compt. rend. Acad. Sci., Paris*, 233. 1951, 824—826.
- Brodie, H. J.**, The function of the cups of *Polyporus conchifer*. *Science* 114. 1951, 636.
- Cooke, W. B.**, The genus *Cytidia*. *Mycologia, Lancaster*, 43. 1951, 196—210, 1 fig.
- Cummins, G. B.**, Uredinales of continental China collected by S. Y. Cheo. II. *Mycologia, Lancaster*, 43. 1951, 78—98, 11 fig.
- Cutter jr., V. M.**, The isolation of plant rusts upon artificial media and some speculations on the metabolism of obligate plant parasites. *New York Acad. Sci. Trans.* 14 (ser. 2). 1951, 103—108.
- De G. Cabral, R. V.**, Anastomoses miceliais. Seu valor no diagnóstico das poliporos. (Mycelial anastomoses. Their value in the diagnosis of polypores.) *Bol. Soc. bot. (ser. 2)* 25. 1951, 291—362, 6 fig., 1 tab.
- Dennis, R. W. G.**, Some Agaricaceae of Trinidad and Venezuela. *Leucosporae: Part I. Trans. brit. mycol. Soc.* 34. 1951, 411—482, 61 fig., 5 tab. col., 2 tab. geogr.
- Dupias, G.**, Contribution à l'étude de la flora urédinologique du Sud-Ouest et des Pyrénées. (3^e note.) *Bull. Soc. mycol. France* 67. 1951, 50—64.
- Fischer, G. W.**, Induced hybridization in graminicolous smut fungi. I. *Ustilago hordei* x *U. bullata*. *Phytopathology* 41. 1951, 839—853, 4 fig.
- Fischer, G. W.**, The smut fungi. A guide to the literature, with bibliography. *Ronald Press Comp., N. York* 1951. X + 387 p.
- Gäumann, E.**, *Puccinia baldensis* n. sp. [*Poa pratensis* et *Senecio brachychaetus*] *Ber. schweiz. bot. Ges.* 61. 1951, 46—48.
- Gäumann, E., et Terrier, Ch.**, *Puccinia tombeana* n. sp. *Rev. Mycol., Paris*, 16. 1951, 73—77, 2 fig.
- Gattani, M. L.**, Induced variation in the germination of chlamydospores of *Ustilago scitaminea*. *Curr. Sci.* 20. 1951, 134, 1 fig.
- Goidanich, G., e Bernadi, C.**, Sulle alterazioni dell'apparato radicale e del colletto prodotte da miceli di basidiomiceti sterili. *Boll. Staz. Pat. veg., Roma*, 7 (ser. 3) (1949). 1951, 3—10, 6 fig.
- Gokhale, V. P., and Patel, M. K.**, *Kulkarniella*, a new genus of rusts. *Indian Phytopath.* 4. 1951, 170—173, 1 fig.
- Gopalkrishnan, K. S.**, Notes on the morphology of the genus *Hemileia*. *Mycologia, Lancaster*, 43. 1951, 271—283, 7 fig.
- Grimm, G. R., and Dickson, J. G.**, Developmental cytology of *Puccinia graminis* tritici races 56 and 15B on seedlings of hope and *Triticum timopheevi*. *Phytopathology* 41. 1951, 15.
- Guyot, A. L.**, Uredineana. *Recueil d'études systématiques et biologiques sur les Uredinées du globe. Tome III. P. Lechevalier, Paris* 1951. 482 p. (Encyclopédie mycol. Vol. 16).

- Guyot, A. L.**, Les Urédinées (ou rouilles des végétaux). Étude morphologique et biologique des champignons de ce groupe, qui vivent en Europe, Asie occidentale, Afrique septentrionale et révision des espèces connues dans les autres parties du monde. Tome II. Genre *Uromyces*. b. P. Lechevalier, Paris 1951. 331 p., 72 fig. (Encyclopédie mycol. Vol. 15).
- Hafiz, A.**, Physiologic specialization in *Urocystis tritici* Köern. *Phytopathology* 41. 1951, 809—812.
- Haskins, R. H.**, and **Thorn, J. A.**, Biochemistry of the Ustilaginales. VII. Antibiotic activity of ustilagic acid. *Canad. J. Bot.* 29. 1951, 585—592, 1 tab.
- Hiratsuka, N.**, Notes on species of the rust fungi collected in the vicinities of Lake Oze and Oze-gahara, Nikko National Park. 1—2. *J. jap. Bot.* 26. 1951, 71—77, 111—114.
- Hiratsuka, N.**, and **Sato, S.**, Inoculation experiments with heterocercous species of the Japanese rust fungi. IV. [Puccinia] *Bot. Mag., Tokyo*, 64. 1951, 219—222.
- Holton, C. S.**, Methods and results of studies on heterothallism and hybridization in *Tilletia caries* and *T. foetida*. *Phytopathology* 41. 1951, 511—521.
- Holton, C. S.**, and **Lowther, C. V.**, Heritability of number of primary sporidia produced by spores of *Tilletia caries* and *T. foetida*. *Phytopathology* 41. 1951, 172—177.
- Hotson, H. H.**, and **Cutter jr., V. M.**, The isolation and culture of *Gymnosporangium juniperi-virginianae* Schw. upon artificial media. *Proc. nat. Acad. Sci.* 37. 1951, 400—403.
- Ignatovicz, G. M.**, (*Typhula trifolii* Rostrup — red clover parasite.) *Rept. Lenin Acad. agric. Sci.* 1951. nr. 4, p. 37—42, 2 fig.
- Imazeki, R.**, (*Armillaria robusta* (A. et S. ex Fr.) Gillet in Japan.) *J. jap. Bot.* 26. 1951, 264—266.
- Jackson, H. S.**, and **Dearden, E. R.**, Studies of north american *Telephoraceae*. I. Some new western species of *Peniophora*. *Mycologia*, Lancaster, 43. 1951, 54—61, 6 fig.
- Jørstad, I.**, The Uredinales of Iceland. *Norske Videnskaps-Akad. Oslo*, I. mat.-nat. Kl., nr. 2. 1951, 87 p., 2 fig.
- Lasser, E.**, Die Züchtung schwarzrostresistenter Weizensorten für den Alpenraum. *Bodenkultur*, Wien, 5. 1951, 67—75.
- Lepori, L.**, Alcune osservazioni sulla morfologia e biologia dell' *Ustilago virens* (Cke.) Tak. su materiale Thailandese. *Not. Mal. Piant.* nr. 16. 1951, 40—46.
- Lindquist, J. C.**, «*Maravalia sebastianiae*», nov. spec., parásita de especies de «*Sebastiania*». *Darwiniana*, Buenos Aires, 9. 1951, 609—611, 1 fig.
- Ling, L.**, Studies in the genus *Cintractia*. III. *C. leucoderma* and related species. *Mycologia*, Lancaster, 43. 1951, 310—318, 2 fig.
- Ling, L.**, Taxonomic notes on Asiatic smuts. III. *Sydowia* 5. 1951, 40—48, 1 fig.
- Ling, L.**, Taxonomic notes on the Ustilaginales. *Lloydia*, Cincinnati (Ohio), 14. 1951, 101—110, 1 fig.
- Lovisolo, O.**, (Some observations on the biology of *Puccinia xanthii* Schw.) *Nuovo Giorn. Bot. Ital.* 57 (n. ser.) (1950). 1951, 674—679.
- Lowy, B.**, A morphological basis for classifying the species of *Auricularia*. *Mycologia*, Lancaster, 43. 1951, 351—358, 1 fig.
- McDonough, E. S.**, and **Bell, L.**, Inhibition of growth of *Schizophyllum commune* by extractives from living trees. *Phytopathology* 41. 1951, 25.
- McKeen, C.**, A cultural and taxonomic study of three species of *Peniophora*. *Proc. canad. phytopath. Soc.* 18. 1951, 18.
- Manners, J. G.**, The establishment and maintenance of pure cultures of rust fungi. *Indian Phytopath.* 4. 1951, 21—24.
- Mayor, E.**, A propos de deux *Puccinia* nouveaux pour la flore suisse. *Ber. schweiz. bot. Ges.* 61. 1951, 52—66, 1 tab.
- Moss, E. H.**, Rusts on *Adoxa* in Alberta. [Puccinia] *Mycologia*, Lancaster, 43. 1951, 99—102.
- Murrill, W. A.**, Florida *Gasteromycetes*. *Lloydia*, Cincinnati (Ohio), 14. 1951, 187—193.
- Murrill, W. A.**, New agarics from Florida. *Mycologia*, Lancaster, 43. 1951, 235—239.
- Naito, N.**, and **Tani, T.**, (On the influence of phytohormones to germination of uredospores of rust fungi.) *Kagawa-Ken agric. Coll. Techn. Bull.* 2. 1951, 167—177.
- Nicolini, P.**, e **Mannucci, E.**, Contributo allo studio farmacologico della latoflavina. (Arbeiten zu einer pharmakologischen Studie über *Ustilago zeae maydis*. Untersuchen über Vorkommen und Qualität von Lactoflavin.) *Arch. ital. Sci. Farmac.* (ser. III) 1. 1951, nr. 3, 14 p., 4 fig.
- Olive, L. S.**, Taxonomic notes on Louisiana fungi. III. Additions to the Tremellales. *Mycologia*, Lancaster, 43. 1951, 677—690, 51 fig.
- Parker-Rhodes, A. F.**, The Basidiomycetes of Shokholm Island. V. An elementary theory of anemophilous dissemination. VII. Some floristic and ecological calculations. *New Phytologist* 50. 1951, 84—97, 227—243, 4 fig., 1 tab. geogr.
- Pavgi, M. S.**, and **Thirumalachar, M. J.**, Notes on some Indian *Ustilagineae*. III. *Sydowia* 5. 1951, 9—12.
- Peterson, B.**, Effect of growth-promoting substances on the germination of uredospores of crown rust. *Phytopathology* 41. 1951, 1039—1040.
- Peterson, B.**, Recent changes in the relative prevalence of physiologic races of crown rust in Canada. *Phytopathology* 41. 1951, 29.

- Pierre-Louis, F.**, Le problème de la variation chez les microorganismes. [Ustilago zeae] Bull. Agric. 1. 1951, nr. 9, p. 4—5.
- Pilát, A.**, Klíč kurčování našich hub hřibovitých a bedlovitých. (Agaricalium europaeorum clavis dichotomica.) (European Agaricales with dichotomous keys.) Brázda, Praha 1951. 719 p., 661 fig.
- Ramakrishnan, T. S.**, Two new rusts from South India. [Gymnopuccinia pulneyensis, Phakopsora fici-elasticae] Trans. brit. mycol. Soc. 34. 1951, 141—145, 5 fig., 1 tab.
- Savile, D. B. O.**, The relationship of Puccinia praegracilis and P. connersii. Mycologia, Lancaster, 43. 1951, 456—458.
- Singer, R.**, Type studies on Basidiomycetes. V. Sydowia 5. 1951, 445—475.
- Smith, A. H.**, The North American species of Naematoma. Mycologia, Lancaster, 43. 1951, 467—521, 66 fig.
- Talbot, P. H. B.**, Studies of some South African resupinate Hymenomycetes. Bothalia 6. 1951, nr. 1, p. 1—116, 48 fig.
- Tapke, V. F.**, New physiologic races of Ustilago nigra from the United States and Israel. Phytopathology 41. 1951, 139—141.
- Thirumalachar, M. J.**, Critical notes on some plant rusts. II. Sydowia 5. 1951, 23—29.
- Thirumalachar, M. J.**, and **Narasimhan, M. J.**, Critical notes on some plant rusts. III. Sydowia 5. 1951, 476—483, 1 fig.
- Thorn, J. A.**, and **Haskins, R. H.**, Biochemistry of the Ustilaginales. V. Factors affecting the formation of ustilagic acid by Ustilago zeae. Canad. J. Bot. 29. 1951, 403—410, 4 fig.
- Tosco, U.**, (On the occurrence and distribution of two rusts in Piedmont: Puccinia xanthii Schw. and P. chaerophylli Purton.) Nuovo Giorn. Bot. Ital. 57 (n. ser.) (1950). 1951, 690—692.
- Vanterpool, T. C.**, and **Macrae, R.**, Notes on the Canadian tuckahoe, its occurrence in Canada and the interfertility of its perfect stage, Polyporus tuberaster Jacq. ex Fries. Canad. J. Bot. 29. 1951, 147—157.
- Venkatarayan, S. V.**, Triphragmium ponderosum (Syd. & Butl.) n. comb. Trans. brit. mycol. Soc. 34. 1951, 237—239.
- Viennot-Bourgin, G.**, Étude morphologique de quelques lésions charbonneuses des végétaux. [Ustilago] Ann. Epiphyties (Ann. Inst. nat. Rech. agron. sér. C), Paris, 2. 1951, 456—478, 4 fig.
- Viennot-Bourgin, G.**, Ustilaginales d'Afrique (première note). Rev. Mycol. 16. 1951, Suppl. colon. 2, p. 101—106, 2 fig.
- Warcup, J. H.**, Studies on the growth of Basidiomycetes in soil. Ann. Bot., London, n. ser. 15. 1951, nr. 59, p. 305—317, 2 fig., 1 tab.
- Welsh, J. N.**, and **Johnson, T.**, The source of resistance and the inheritance of reaction to 12 physiologic races of stem rust, Puccinia graminis avenae (Erikss. and Henn.). Canad. J. Bot. 29. 1951, 189—205.
- White, L. T.**, Studies of Canadian Telephoraceae. VIII. Corticium glactinum (Fr.) Burt. Canad. J. Bot. 29. 1951, 279—296, 7 fig., 2 tab.
- Whitehouse, H. L. K.**, A survey of heterothallism in the Ustilaginales. Trans. brit. mycol. Soc. 34. 1951, 340—355.
- Zscheile, F. P.**, Nutrient studies with the wheat bunt fungus, Tilletia caries. Phytopathology 41. 1951, 1115—1124.
- Zundel, G. L.**, Notes on the Ustilaginales of the world. V. Mycologia, Lancaster, 43. 1951, 267—270.

Fungi imperfecti

- Bretz, T. W.**, A preliminary report on the perithecial stage of Chalara quercina Henry. Plant Dis. Repr. 35. 1951, 298—299, 1 fig.
- Bruch, G. W.**, Rhizoctonia solani in relation to cereal crown and root rots. Phytopathology 41. 1951, 375—377, 1 fig.
- Capozzi, A.**, Azione del filtrato di Bakerophoma tracheiphila (Petri) Ciferri su colture di radici in vitro e sul Lupinus albus nel saggio di MACHT. Not. Mal. Piante nr. 16. 1951, 1.
- Chase, J. L. H.**, Botrytis. Mr. Chase's Cloche Gard. Notes Nov. 1951, 254—255.
- Cormack, M. W.**, Variation in the cultural characteristics and pathogenicity of Fusarium avenaceum and F. arthrosporioides. Canad. J. Bot. 29. 1951, 32—45.
- Cox, C. E.**, and **Sisler, H. D.**, Some metabolic and morphologic changes in germinating conidia of Fusarium. Phytopathology 41. 1951, 8.
- Cox, R. S.**, Control and overwintering studies on Pyraecantha scab disease, Fusicladium pirinum var. pyraecanthae, in Delaware. Phytopathology 41. 1951, 560.
- Dimond, A. E.**, and **Chapman, R. A.**, The chemotherapeutic properties of two compounds against Fusarium wilts. Phytopathology 41. 1951, 11.
- Epps, W. M.**, **Patterson, J. C.**, and **Freeman, I. E.**, Physiology and parasitism of Sclerotium rolfsii. Phytopathology 41. 1951, 245—256, 2 fig.
- Fabricatore, J. A.**, Ascochyta trachelospermi n. sp. e considerazioni relative ad una possibile revisione del genere Peyronellaea. (Ascochyta trachelospermi n. sp. and considerations on a possible revision of the genus Peyronellaea.) Ann. Sperim. agr., Roma, n. ser. 5. 1951, 1433—1446, 12 fig. — Boll. Staz. Pat. veg. 9 (3. ser.) 1951, 69—82.

- Gerdemann, J. W., and Finley, A. M.**, The pathogenicity of races 1 and 2 of *Fusarium oxysporum* f. *lycopersici*. *Phytopathology* 41. 1951, 238—244.
- Glen-Bott, J. I.**, *Helicodendron giganteum* n. sp. and other aerial-sporing hyphomycetes of submerged dead leaves. *Trans. brit. mycol. Soc.* 34. 1951, 275—279, 4 fig., 1 tab.
- Graham, T. W.**, Variation and variability in *Helminthosporium gramineum*. *Minnesota Univ. Sum. Ph. D. Theses* 5. 1951, 35—36.
- Horsfall, J. G.**, Relative specificity of *Sclerotinia* and *Stemphylium* to toxicants. *Phytopathology* 41. 1951, 658.
- Hrushovetz, S. B.**, Effects of amino acids on the pathogenicity of *Helminthosporium sativum*. *Proc. canad. phytopath. Soc.* 18. 1951, 16.
- Hughes, S. J.**, *Annelophora* nom. nov. (= *Chaetotrichum* Syd. non Rabenh.). *Trans. brit. mycol. Soc.* 34. 1951, 544—550, 3 fig.
- Hughes, S. J.**, *Stachyidium*, *Gonytrichum*, *Mesobotrys*, *Chaetopsis* and *Chaetopsella*. *Trans. brit. mycol. Soc.* 34. 1951, 551—576, 4 fig.
- Katsuki, S.**, (Materials for a *Cercospora*-flora of the Kanto district.) *Ann. phytopath. Soc. Japan* 15. 1951, 143—145, 1 fig.
- King, T. H., and Keplinger, J. A.**, Effect of copper sulphate on growth and fruiting of *Coniothyrium fuckelii*. *Phytopathology* 41. 1951, 21.
- Kuribayashi, K.**, (On new injurious diseases of anzu »*Haplosporella* n. sp.«.) *Jap. J. Plant Prot.* 21. 1951, 27—29.
- Lachance, R. O.**, Antagonisme des microorganismes du sol envers le *Colletotrichum linicola* agent de l'anthracnose. *Canad. J. Bot.* 29. 1951, 438—449.
- McKee, R. K.**, Mutations appearing in *Fusarium caeruleum* cultures treated with tetrachloronitrobenzene. *Nature, London*, 167. 1951, 611.
- Marchionatto, J. B.**, Antagonismo entre *Rhinotrichum griseo-roseum* y *Cercospora capsici*. (Antagonism between *Rhinotrichum griseo-roseum* and *Cercospora capsici*.) *Cienc. e Invest.* 7. 1951, 519, 2 fig.
- Mathur, R. S.**, Function of spore matrix in *Colletotrichum lindemuthianum*. *Indian Phytopath.* 4. 1951, 152—155.
- Meehan, F. L.**, *Helminthosporium victoriae* and other graminicolous species. *Iowa State Coll. J. Sci.* 25. 1951, 292—294.
- Meyer, J. R.**, Atividade antineoplásica do líquido de cultura de um cogumelo do gênero *Pestalozzia* — demonstrada »in vitro« sobre um tumor transplantável de camundongo. (Antineoplastic activity of a fluid culture of a fungus of the genus »*Pestalozzia*«.) *Arq. Inst. biol., São Paulo*, 20. 1951, 183—192, 1 tab.
- Mitchell, J. E., and Angel, C. R.**, The growth-stimulating properties of a metabolic product of *Fusarium moniliforme*. *Phytopathology* 41. 1951, 26.
- Moreau, C., et Moreau, M.**, Sur quelques Hyphomycètes. *Bull. Soc. linn. Normandie (Sér. 9)* 6. 1951, 71—82, 5 fig.
- Neergaard, P., and Newhall, A. G.**, Notes on the physiology and pathogenicity of *Centrospora acerina* (Hartig) Newhall. *Phytopathology* 41. 1951, 1021—1033, 4 fig.
- Nicot, J.**, Revue systématique du genre *Cylindrocarpon* Wollenweber. *Rev. Mycol.* 16. 1951, 36—61.
- Pact, J.**, A nomenclatorial discussion of *Thielavia basicola*. *Parasitica* 7. 1951, 109—110, 1 fig.
- Petrak, F.**, Über die Gattungen *Chaetotrichum* Syd. und *Ragnhildiana* Solh. *Sydowia* 5. 1951, 30—39.
- Petrak, F.**, Über die Gattungen *Hendersonula* Speg. und *Hendersonulina* n. gen. *Sydowia* 5. 1951, 418—422.
- Ploto, O. v.**, Untersuchungen zur Morphologie und Physiologie der *Cercospora beticola*. *Zucker* 4. 1951, 461—467.
- Rich, S.**, Vapor-phase toxicants for *Botrytis* sp. *Phytopathology* 41. 1951, 30.
- Richards, G. S.**, Factors influencing sporulation by *Septoria nodorum*. *Phytopathology* 41. 1951, 571—578.
- Rümker, R. v.**, Über die Ökologie von *Ascochyta pinodella* und *Fusarium culmorum* in der Rhizosphäre anfälliger und nicht anfälliger Pflanzen. *Phytopath. Ztschr.* 18. 1951, 55—100, 5 Abb.
- Sarajini, T. S.**, Soil conditions and root diseases. II. *Fusarium* udum. disease of red gram. [Cajanus] *Proc. indian Acad. Sci.* 33. 1951, 49—68.
- Sisler, H. D., and Cox, C. E.**, Some effects of tetramethylthiuramdisulfide on metabolism of conidia of *Fusarium*. *Phytopathology* 41. 1951, 32.
- Sporunov, F. F., and Galiulina, Z. A.**, (Predacious Hyphomycetes from Turkmenistan soil.) *Microbiology* 20. 1951, 489—499, 2 fig., 2 tab.
- Stover, R. H.**, Physiological specialization and mutations in *Thielaviopsis basicola*. *Phytopathology* 41. 1951, 34.
- Subramanian, C. V.**, Is there a »wild type« in the genus *Fusarium*? *Proc. nat. Inst. Sci. India* 17. 1951, 403—411, 1 tab.
- Thanos, A.**, Effect of ultraviolet light on the germination of spores of *Monilinia fructicola*, *Cladosporium cucumerinum*, and *C. epiphyllum*. *Phytopathology* 41. 1951, 35.
- Timnick, M. B., Lilly, V. G., and Barnett, H. L.**, The effect of nutrition on the sporulation of *Melanconium fuligineum* in culture. *Mycologia, Lancaster*, 43. 1951, 625—634, 2 fig.

- Tinline, R. D.**, Studies on the perfect stage of *Helminthosporium sativum*. *Canad. J. Bot.* 29. 1951, 467—478, 3 fig., 2 tab.
- Togashi, K.**, (Reconsideration on the genus *Cercospora*.) *Ann. phytopath. Soc. Japan* 15. 1951, 114—116.
- Van Dillewijn, C.**, *Fusarium pakkahboeng*. *Int. Soc. Sugar-Cane Technol. Proc.* 7. 1951, 473—499.
- Wilhelm, St.**, Effect of various soil amendments on the inoculum potential of the *Verticillium* wilt fungus. *Phytopathology* 41. 1951, 684—690.
- Wilhelm, St.**, Is *Verticillium albo-atrum* a soil invader or a soil inhabitant? *Phytopathology* 41. 1951, 944—945.

d. Phanerogamae

- Bauer, R.**, Starkes Auftreten von Kleeseide. *Pflanzenarzt, Wien*, 4. 1951, Nr. 4, S. 1.
- Blanchard**, Contribution à l'étude de la biologie de l'Orobanche et à sa destruction. *Compt. rend. Acad. Agric. France* 37. 1951, 582—584.
- Botha, P. J.**, The germination of the seeds of angiospermous root-parasites. *J. south afr. Bot.* 17. 1951, 49—72.
- Braconi, L.**, Vinta l'orobanca? *Giorn. Agric.* 61. 1951, 264.
- Di Lauro, B.**, Le fanerogame parassite. *Giorn. Ital. agric.* 36. 1951, nr. 38, p. 3.
- Di Naso, A.**, La cuscute. *Giorn. Agric.* 61. 1951, 370.
- Gabotto, L.**, Le cuscute. *Coltiv., Giorn. vinic. ital.* 97. 1951, 258—259.
- Gäumann, E.**, Neuere Erfahrungen über die Mistel. *Schweiz. Ztschr. Forstwes.* 1951, Nr. 2/3, 12 S., 5 Abb.
- Gäumann, E.**, und **Peter-Contesse, J.**, Neuere Erfahrungen über die Mistel. *Schweiz. Ztschr. Forstwesen* 102. 1951, 108—119.
- Gardé, A.**, Nota cariologica sobre tres Orobancáceas Portuguesas. *Gen. Iberica* 3. 1951, 133—142, 16 fig., 1 tab.
- Germ, H.**, und **Schönbrunner, J.**, Kleeseide, Kleeteufel und Unkräuter in Klee- und Luzernesschlägen. [*Cuscuta trifolii*, Orobanche minor] *Landwirtschaft* 23/24. 1951, 357—360.
- Greenham, C. G.**, **Fielding, J. M.**, **Hamilton, C. D.**, und **Nicholson, D. I.**, A progress note on mistletoe control investigations. *Austr. Forestry* 15. 1951, 62—64.
- Kachroo, P.**, On *Cuscuta reflexa* Roxb. in the Khasi Hills. *Sci. and Cult.* 16. 1951, 431.
- Kribben, F. J.**, Die Blütenbildung von Orobanche in Abhängigkeit von der Entwicklungsphase des Wirtes. *Ber. dtsch. bot. Ges.* 64. 1951, 353—355.

- Matkovskii, S. T.**, (Control of Orobanche with the aid of Phytomyza.) *Sovet. Agron.* 9. 1951, nr. 8, p. 92—93.
- Montfort, C.**, und **Müller, L.**, Grundsätzliches zur Lebensrhythmik der Mistel (*Viscum album* L.) im jährlichen Längenzuwachs und in der Blattgestaltung. *Ber. dtsch. bot. Ges.* 64. 1951, 297—303, 3 Abb.
- Peglion, V.**, Le cuscute grosse. *Mondo agric.* 2. 1951, nr. 11, p. 3.
- Peglion, V.**, La lotta contro le cuscute. *Mondo agric.* 2. 1951, nr. 8, p. 1—2.
- Reed, C. F.**, und **Reed, P. G.**, Host distribution of mistletoe (*Phoradendron flavescens*) in Kentucky. *Castanea* 16. 1951, 7—15.
- Rizzini, C. T.**, (The parasitism of the Loranthaceae on the Monocotyledones.) *Rev. brasil. Biol.* 11. 1951, 289—302.
- Ruzinov, P. G.**, und **Okhova, E. P.**, (Measures for the control of broomrape on vegetable crops in Moldavia.) *Sad i Ogorod (Orchard and Garden)* 7. 1951, 65—67.
- Sheriar, K. C.**, Parasitism of *Cuscuta reflexa* Roxb. and *Loranthus longiflorus* Desr. *Sci. and Cult.* 17. 1951, 218—219.
- Sutton, G. M.**, Dispersal of mistletoe (*Viscum album*) by birds. *Wilson Bull.* 63. 1951, 235—237.
- Trinchieri, G.**, Quante e quali sono le piante attaccate dalle cuscute. *Coltiv. Giorn. vinic. ital.* 97. 1951, 211—212.
- Ullrich, J.**, Ein bemerkenswertes Auftreten von *Cuscuta australis* R. Br. *Ztschr. Pfl.krankh.* 58. 1951, 100—101.

e. Unkräuter

Weeds — Mauvaises herbes

Allgemeiner Teil

General part — Partie générale

(Siehe auch — see also — voyez aussi
p. 337—341.)

- Åberg, E.**, Kampen mot ogräs och buskar på vägkanterna. *Svenska Vägfören. Tidskr.* nr. 3. 1951.
- Ahles, H. E.**, Interesting weeds in New York City. *Bull. Torrey bot. Club* 78. 1951, 266—269.
- Ahlgren, G. H.**, **Klingman, G. C.**, und **Wolf, D. E.**, Principles of weed control. *J. Wiley & Sons, New York*, und *Chapman & Hall, Ltd., London* 1951. VII+368 p., 109 fig.
- Akesson, N. B.**, An expert's view on the design and specifications of ground weed control equipment. *Farm Impl. News* 72. 1951, nr. 6, p. 38—39, 76—78.
- Albert, W. B.**, Chemical weed control in corn and cotton by pre-emergence and post-emergence applications of herbicides. *South Carolina agric. Exp. Stat. Circ.* 80. 1951, 16 p.

- Arsenault, L., Nos amies, les mauvaises herbes. Foyer Rur. (Montreal) 10. 1951, nr. 6, p. 10, 20.
- Baigent, C. H., The control of weeds in field crops. Nat. Weeds Conf. New Zealand Proc. 4. 1951, 59—62.
- Bakker, D., (Observations on the occurrence and control of the most important weeds in the north-eastern polders.) Nederl. Dir. Wieringermeer Versl. 13. 1951, 51—70.
- Baldacci, E., La lotta contro le erbe infestanti delle colture in Italia. 1. Conf. int. Lutte contre Parasites Plantes 3.—6. 10. 1950 Rom. 1951, 356—361.
- Ball, W. S., Know your weed control law. West. Feed Seed 6. 1951, nr. 9, p. 25, 42, 48—49, 54.
- Ball, W. S., Regulatory phase of weed control. Weeds 1. 1951, 13—16.
- Barabé, R., Weed control legislation in Quebec. Canada nat. Weed Comm., east. Sect., Proc. 4. 1951, 65—67.
- Beard, J. S., The woody weeds of wattle plantations. South afr. Weed Control Conf. Proc. 1. 1951, 33—39.
- Belton, M. J., Cultivation and chemicals needed for weed control. Oregon Farmer 74. 1951, 235, 271.
- Blackburn, F. H. B., Hanschell, D. M., and Clarke, M., Some aspects of weed control in Trinidad. Brit. west. Indies Sugar Assoc. Proc. Meetg. Sugar Technol. 1951, 123—134.
- Blackman, G. E., La toxicidad selectiva y el desarrollo de los destructores de malezas. Tambo y Chacra 24. 1951, nr. 786, p. 3.
- Bloom, A., Declare war on weeds. Nurseryman, Seedsman 112. 1951, 674—675.
- Braun, H., Kurze Anleitung zur Erkennung und Bekämpfung der wichtigsten Unkräuter. P. Parey, Berlin 1951. 3., neubearb. Aufl., 81 S., 73 Abb.
- Briggs, G. M., Clean seed and clean feed mean better weed control. Hoard's Dairyman 96. 1951, 258—259.
- Brodell, A. P., and Burkhead, C. E., Spraying and dusting major field crops. [weed control] U.S. Dept. Agric. Bur. agric. Econ. FM-88. 1951, 6 p.
- Bufler, M., Unkraut — unser Gartenräger. Land-frauenarbeit 25. 1951, 195—196.
- Burgess, A. C., Surface sowing trial — North Taranaki. Nat. Weeds Conf. New Zealand Proc. 4. 1951, 46—48.
- Carlson, A. E., Brush control and the public. [chemical] Telephone Engin., Mangt. 55. 1951, nr. 4, p. 46—47.
- Carlson, A. E., An evaluation of foliage application of herbicides for brush control. Northeast. Weed Control Conf. Proc. 5 (sup.). 1951, 67—70.
- Carstens, M. W., Weed control in processing crops. West. canad. Weed Control Conf. Proc. 5. 1951, 159—165.
- Carstens, M. W., and Eide, P. M., Washington weed and insect control. West. Canner, Packer 43. 1951, nr. 5, p. 45—47.
- Chesalin, G. A., Agrotekhnicheskie mery bor'by s sorn'nikami. (Agrotechnical measures for the control of weeds.) Gos. Izd-vo Selkhoz. Lit-ry, Moskva 1951. 102 p.
- Chevalier, A., Mauvaises herbes envahissantes, fléaux redoutables pour l'agriculture en Afrique tropicale. Rev. int. Bot. appl., Agric. trop. 31. 1951, 390—399.
- Ciferri, R., I diserbanti selettivi. Inform. Fitopat., Bologna, nr. 14. 1951, 1—3, 1 fig.
- Cotta, A., (Weeds.) [ital.] Schweiz. Ztschr. Forstw. 102. 1951, 221—227.
- Craig, B., Dormant brush control. Grange News (Pacific Grange Farmer, Ill. Sect.), Oct. 1951 (Sect. 1), 8, 14.
- Craig, H. A., Federal-provincial weed surveys in western Canada. West. canad. Weed Control Conf. Proc. 4. 1951, 144—148.
- Craig, H. A., Weed work in Manitoba. West. canad. Weed Control Conf. Proc. 4. 1951, 157—158.
- Curtis jr., O. F., Weed control in nursery tree rows. Northeast. Weed Control Conf. Proc. 5 (sup.). 1951, 119—125.
- Della Barba, L., (Weeds-winter.) Agr. Ferrarese 55. 1951, 70—72.
- Delle Coste, A. C., Que matayuyos y que cantidad se debe emplear en los cultivos. Chacra 21. 1951, nr. 250, p. 10—11.
- Dionne, G., Quelques plantes dangereuses ou toxiques. Rustica (franç.) 24. 1951, 1044.
- Downing, R., Clearing the stream; weed-cutting in rivers is of importance to both anglers and farmers: River Boards should tackle the problem with modern methods. Field 197. 1951, 695.
- Dunham, R. S., Nylund, R. E., and Crim, R. F., Weed control in Minnesota. Minnesota agric. Exp. Stat. Adv. Comm. Weed Control, St. Paul, 1951?, 13 p.
- Ebbmar, M., (Stubble tillage and weed control.) Lant-mannen 35. 1951, 661.
- Egler, F. E., Brush control, an aspect of »plant-community management«. Northeast. Weed Control Conf. Proc. 5 (sup.). 1951, 73—75. — Electr. Light, Power 29. 1951, nr. 3, p. 98—99, 151.
- Elam, F. L., Brush control pays off in California. West. Livestock J. 29. 1951, nr. 65, p. 36—37, 49—52.
- Elwell, H., Brush isn't unbeatable. Successful Farming 49. 1951, nr. 6, p. 134, 136, 138.
- Elwell, H. M., Cox, M. B., Progress report, 1951: brush control research at the Red Plains Conservation Experiment Station, Guthrie, Oklahoma. Oklahoma agric. Exp. Stat. Mimeogr. Circ. M-220. 1951, 7 p.

- Elwell, H. M., and Cox, M. B.,** Results of brush control at Red Plains Station. Texas Livestock J. 10. 1951, nr. 10, p. 11, 46—47.
- Ernst, E.,** Kampf gegen das Unkraut. In: Querschnitt durch den neuen Gartenbau (Dtsch. Bauernverl., Berlin) 1. 1951, 201—208, 2 Abb.
- Fallis, K. E., and MacRae, J. W.,** The 1950 weed drill survey in Ontario. Canada nat. Weed Comm. (east. Sect.) Proc. 4. 1951, 55—56.
- Fertig, S. N.,** 1951 weed control in field crops. New York State Coll. Agric. Ext. Bull. 821. 1951, 3 p.
- Fiske, J. G.,** Plants called weeds. Gard. J. 1. 1951, 108—110.
- Fitzgerald, O. A.,** Where do weeds come from? Some were brought in by accident, some by design. To discourage their spread make sure you plant weed-free seeds. Idaho Farmer 69. 1951, 162, 173.
- Fluit, A. A. M.,** (Weed control.) Zeeuwisch Landbouwb. 39. 1951, nr. 2069, p. 3—4.
- Foster, R. L.,** A 900-mile brush-killing job. Capper's Farmer 62. 1951, nr. 6, p. 18, 70.
- Frankton, C.,** Federal-provincial weed surveys. Canada nat. Weed Comm. (east. Sect.) Proc. 4. 1951, 97—99.
- Frankton, C.,** Progress report on federal-provincial weed surveys in western Canada. West. canad. Weed Control Conf. Proc. 5. 1951, 207—213.
- Fraser, G. R.,** Weed work in Saskatchewan. West. canad. Weed Control Conf. Proc. 4. 1951, 155—156.
- Freed, V.,** Weed control in forage seed crops. West. canad. Weed Control Conf. Proc. 5. 1951, 150—159.
- Friesen, H. A.,** Tillage and cropping methods for weed control. West. canad. Weed Control Conf. Proc. 4. 1951, 131—140.
- Fuchs, A.,** Bodenbearbeitung und Unkrautbekämpfung. Württemb. Wochenbl. Landw. 118. 1951, 745.
- Galetti, A. C.,** (Weeds.) Terra, Firenze, 62. 1951, nr. 20, p. 3.
- Gordon, D. V.,** Control of weeds in drains. Nat. Weeds Conf. New Zealand Proc. 4. 1951, 20—21.
- Govindu, H. C.,** Study of weeds on our farm lands. Mysore agric. J. 26. 1951, 54—56.
- Greve, Der Kampf gegen die Unkräuter.** Hannov. land- u. forstw. Ztg. 104. 1951, 459.
- Guillaumin, A.,** Les plantes nuisibles de Nouvelle-Calédonie. Rev. int. Bot. appl., Agric. trop. 31. 1951, 427—430.
- Hackleman, J. C., Slife, F. W., and Scott, W. O.,** Weed and brush control recommendations for 1951. Illinois agric. Coll. Ext. AG 1495. 1951, 4 p.
- Halliday, D. J., and Templeman, W. G.,** Field experiments in selective weed control by plant-growth regulators. III. Weed control in grassland. IV. The effect of plant-growth regulators upon the productivity of grassland. Empire J. exp. Agric. 19. 1951, 33—44, 104—112.
- Hammarlund, A.,** (Weed control in nurseries and gardens.) Gartner-Tidende 67. 1951, 176—178.
- Harrison, C. M.,** How to control weeds in the seed field. Hoard's Dairyman 96. 1951, 570—571.
- Hes, J. W.,** The weed problem in Java. Sugar 46. 1951, 37.
- Hicock, R.,** The brush control problem. Northeast. Weed Control Conf. Proc. 5 (sup.). 1951, 51—52.
- Hofsten, C. G. v.,** (The fight against perennial weeds.) Lantmännern 35. 1951, 480—481.
- Holmes, E.,** Modern methods of weed control. J. R. hort. Soc., London, 76. 1951, 207—216.
- Holstun jr., J. T.,** Tentative weed control practices for Delta area. Mississippi Farm Res. 14. 1951, nr. 4, p. 1, 7.
- Holyoake, K. J.,** Added incentive to counties to control weeds. New Zealand J. Agric. 82. 1951, 467.
- Hopkins, E. S.,** Progress in weed control. Canada nat. Weed Comm. (east. Sect.) Proc. 4. 1951, 1—7.
- Horner, R. M.,** Our brush and weed control program on Carleton county roads. Canada nat. Weed Comm., east. Sect., Proc. 4. 1951, 51—52.
- Hubbard, W. W.,** The noxious weeds act, 1950. Nat. Weeds Conf. New Zealand Proc. 4. 1951, 27—29.
- Isely, D., and Sylwester, E. P.,** Danger — untested seed. [weed control] Hoard's Dairyman 96. 1951, 203.
- Jensen, P. E.,** (Weed control in nurseries and gardens.) Gartner-Tidende 67. 1951, 206—207.
- Kaczynski, H.,** Weed control in nursery beds. New Jersey Farm Forestry, Christmas Tree Growers Assoc. Bull. 3. 1951, 11—12.
- Kalenich, W.,** Bibliography on brush control. Southwest. Res. Inst. San Antonio, Range Mangt. Sect., agric. Div., 1951, 59 p.
- Kaul, R. N.,** Studies on weed crop competition. Allahabad Farmer 25. 1951, 103—115.
- Kaul, R. N.,** Weed control by good husbandry. Allahabad Farmer 25. 1951, 137—141.
- Kazakevich, L. I.,** Sernye rasteniâ i sposoby ikh unichtozheniâ. (Weeds and methods for eradicating them.) Saratovskoe Obl. Gos. Izd-vo, Saratov 1951, 50 p.
- King, F. C.,** The weed problem, a new approach. Faber & Faber, London 1951. 164 p.
- Kircher, W. H.,** Weed warfare in '51; helpmates of 2,4-D now make chemical weed control even more effective. Farmer, St. Paul (Gen. Ed.), 69. 1951, nr. 8, p. 9, 25.
- Klingman, D. L.,** Control of weeds in field crops: Pasture and range grasses. North Centr. Weed Control Conf. Res. Rept. 7 (1950). 1951?, 124—125.

- Knowles, G.**, Control of annual, winter annual and biennial weeds. North Centr. Weed Control Conf. Res. Rept. 7 (1950). 1951, 59—67.
- Koie, G.**, (On the extirpation method considered from a biological standpoint of weeds in nursery.) Jap. Forestry Soc. Trans. 59. 1951, 81—83.
- Kott, S. A.**, (Self-thinning in weeds.) Seleksiia i Semenovodstvo (Selection and Seed Growing) 18. 1951, nr. 2, p. 46—51.
- Kott, S.**, (Weeds and their control.) Kolkhoz. Proizvodstvo (russ.) 11. 1951, nr. 4, p. 45—49.
- Kummer, A. P.**, Weed seedlings. Univ. Chicago Press, Chicago 1951. XXXIII + 435 p., fig.
- Laborde, A.**, La destruction des mauvaises herbes. Agric. Mod., Prat. (France) 3. 1951, nr. 18, p. 14—15.
- Leah, E.**, Weeds can be our allies. Health and Soil 1951 (Summer/Autumn), 31—32.
- Leenders, B.**, en **Terpstra, P.**, Onkruidbestrijding in verleden, heden en toekomst. Nieuwe Veldbode 17. 1951, 388—389.
- Levardsen, N. O.**, Weed control in Michigan lakes. Michigan Conserv. 20. 1951, nr. 3, p. 11—14.
- Loomis, W. E.**, Basic problems. North Centr. Weed Control Conf. Res. Rept. 7 (1950). 1951?, 276—281.
- Lovvorn, R. L.**, and **Bliss, M. E.**, Chemicals for controlling brush. U.S. Dept. Agric., Off. Inform., Washington, 1951, 3 p.
- Mackoff, S.**, and **Dahl, A. O.**, A botanical consideration of the weed oleoresin problem. Minnesota Med. 34. 1951, 1169—1173, 1188.
- Mahner, A.**, Unkrautbekämpfung im neu angelegten Garten. Kosmos 47. 1951, 140—141.
- Maletic, J. T.**, Short cuts to weed killing calculations. 5—7. Reclam. Era 37. 1951, 230—231, 256—257, 284—285.
- Melander, L. W.**, Control of woody plants. North Centr. Weed Control Conf. Res. Rept. 7 (1950). 1951?, 227—270.
- Meyer-Hermann, A.**, Unkrautbekämpfung auf Acker und Grünland. Landw. Wochenbl. Kurh. u. Waldeck 166. 1951, 132—133.
- Mondt, L. R.**, How much of your money did the weeds get away from? Through Leaves 39. 1951, nr. 5, p. 48—49.
- Mühlethaler, P.**, Unkrautbekämpfung im Ackerbaubetrieb. Schweizer Bauer 105. 1951, Nr. 48, S. 1—2.
- Muenschner, W. C. L.**, Poisonous plants of the United States. MacMillan Comp., New York 1951. 277 p.
- Murphy, K. S.**, Ontario weed control act 1950. Canada nat. Weed Comm., east. Sect., Proc. 4. 1951, 63—64.
- Newbrough, D. R.**, and **Sylwester, E. P.**, Our Iowa weed laws. Iowa Farm Sci. 6. 1951, 43—44.
- Nieser, O.**, Der Gehalt an Kultur- und Unkrautsamen in den im Jahre 1948 untersuchten Proben. Saatgut-Wirtschaft 3. 1951, 13—15.
- Norton, R. A.**, Mechanical considerations. North Centr. Weed Control Conf. Res. Rept. 7 (1950). 1951?, 271—275.
- Nylund, R. E.**, Weed control. Minnesota Horticulturist 79. 1951, 44—45.
- Orchard, H. E.**, Weeds of South Australia. 1. South austr. Dept. Agric. Bull. 418. 1951, 42 p.
- Pauzé, F.**, La propagation des mauvaises herbes. I—III. Rev. Oka 25. 1951, 125—131, 173—176, 177—188.
- Pearse, C. K.**, New trends in control of noxious range plants. [poisonous to livestock] J. Forestry 49. 1951, 498—500.
- Petersen, A.**, Die Bekämpfung der Ackerunkräuter durch die Kulturmaßnahmen des jeweiligen Anbau- und Betriebssystems. Eine Weiterentwicklung der Aereboe'schen Zonen der Unkrautbekämpfung (nebst einem Anhang über die Ackerunkräuter als Zeigerpflanzen). Akademie-Verlag, Berlin 1951. VIII + 84 S.
- Petersen, H. I.**, Årsoversigt for Statens Ukrudtsforskog 1948, 1949. (The Danish Institute für Weed Research 1948, 1949.) Tidsskr. Planteavl, København, 54. 1951, 132—136, 336—342.
- Piaccio, R.**, Le anomalie da diserbo biochimico. Ital. agric. 88. 1951, 517—523.
- Platt, R.**, Wonder weeds. Camp Fire Girl 30. 1951, nr. 8, p. 10.
- Playfair, L.**, Chemical control of woody brush. West. canad. Weed Control Conf. Proc. 4. 1951, 75—80.
- Polozhiĭ, A. V.**, and **Andrievskaja, A. I.**, (Weeds of Asino district, Tomsk region and measures for controlling them.) Gosud. U. V. V. Kuibysheva, Tomsk, Trudy 114. 1951, 151—156.
- Prail, F. E. M.**, Tackling weeds with acid, rotary cultivators and hoes. Grower (London) 36. 1951, 464—465, 467.
- Putnam, N. F.**, Weed work in British Columbia. West. canad. Weed Control Conf. Proc. 4. 1951, 148—152.
- Rademacher, B.**, Unkrautbekämpfung. In: Handb. Landw. 1. 1951, 310—336.
- Ramirez Sanchez, A.**, Importancia del control de las malezas en Chile. Agrario 16. 1951, nr. 427, p. 9—10.
- Robbins, W. W.**, **Bellue, M. K.**, and **Ball, W. S.**, Weeds of California. State Dept. Agric., Sacramento 1951. 547 p.

- Rudolf, P. O.**, Chemical control of brush and tree growth for the Lake States. U.S. Forest Serv. Lake States Forest Exp. Stat. Misc. Rept. 15. 1951, 30 p.
- Ryker, T. C.**, Extinguidores de la mala yerba en los cañaverales de la Luisiana. Bol. Agric. (E. I. du Pont de Nemours & Co.) 7. 1951, nr. 2, p. 1—6.
- Ryker, T. C.**, Stop, thief! Rangeland villains — weeds, brush — are picking stockmen's pockets. South. Seedsman 14. 1951, nr. 3, p. 20, 73, 76, 79.
- Salter, R. M.**, Fantastic progress made in weed control study.) West. Grower, Shipper 22. 1951, nr. 8, p. 17, 37, 41—44.
- Schleissing, O.**, Die Unkräuter des Gartens; Leben, Nutzenwendung, Bekämpfung, Namensdeutung, Sage und Mythos. Bayer. Landw.verlag, München 1951. 83 S., 20 Taf. (Fruchtbare Erde H. 7).
- Schmitt, N.**, Kampf dem Unkraut! Landw. Wochenbl. Westf. u. Lippe 108 A. 1951, 356.
- Schnitzer, A.**, Kampf dem Unkraut. Allgäuer Bauernbl. 19. 1951, 137—138.
- Scholz, H. F.**, 73% of Wisconsin farm woodlands subject to destructive pasturing. Tree Tips Sept. 1951, 3—4.
- Schrader, L. L.**, and **Cook, S.**, Weed control in lawns and gardens. South Dakota State Coll. Agric. Ext. Circ. 465. 1951, 27 p.
- Shafer, N. E.**, Control of annual, winter annual, and biennial weeds. Annual and winter annual grassy weeds. North Centr. Weed Control Conf. Res. Rept. 7 (1950). 1951?, 52—58.
- Sjöberg, G. H.**, Dangerous plants. [weeds] Trädgårdstidningen (swed.) 23. 1951, nr. 7, p. 22, 25.
- Snijders, J. H.**, (The importance of weeds to upland plantation crops.) Bergcultures, Buitenzorg, 20. 1951, 175—183.
- Sperry, O. E.**, Experimental control of poisonous range plants in Texas. Texas agric. Exp. Stat. Progr. Rept. 1334. 1951, 4 p. — Cattleman 37. 1951, nr. 12, p. 100—102.
- Sterling, G. R.**, Weed work in Alberta. West. canad. Weed Control Conf. Proc. 4. 1951, 152—154.
- Stoeckeler, J. H.**, Killing weed seeds. [with methyl bromide] Amer. Nurseryman 93. 1951, nr. 8, p. 10.
- Sundelin, G.**, (Preventive measures for control of weed seeds.) Mjölpropagandan 28. 1951, 74.
- Sundelin, G.**, and **Jacobsson, G.**, (Experiments in brush control.) Kalmar Läns Södra Hushållsk. Årsskr. 1951, 120—124.
- Sylwester, E. P.**, Control of roadside weeds and brush. Weeds 1. 1951, 17—24.
- Sylwester, E. P.**, Fewer weeds mean better gardens. Hoard's Dairyman 96. 1951, 294, 310—311.
- Thorup, S.**, Laboratorieforsøg med hormonpræparater til ukrudtsbekæmpelse. (441. beretning fra Statens Forsøgsvirksomhed i Plantekultur.) (The Danish Weed Research Station 1946—48. The report contains the main-results of the laboratory-experiments during 3 years.) Tidsskr. Planteavl, København, 54. 1951, 553—627, 14 fig.
- Timmons, F. L.**, Weeds and weed men south of the border. West. canad. Weed Control Conf. Proc. 5. 1951, 2—13.
- Timmons, F. L.**, and **Bruns, V. F.**, Frequency and depth of shoot-cutting in eradication of certain creeping perennial weeds. Agron J. 43. 1951, 371—375.
- Tullis, E. C.**, Proc. southern weed conference, 1951. Down to Earth 7. 1951, 4.
- Ubaldi, L.**, (Control of weeds.) Agric. Toscana 6. 1951, 329—330.
- Uhl, H.**, Untersuchungen über die Anwendung von Kalkstickstoff und Feinkainit gegen die Ackerunkräuter auf Kalkböden. Diss. Hohenheim 1951.
- Vidme, T.**, (Our most important weapon in the fight against weeds.) Norsk Landbr. 17. 1951, 227—232.
- Wangerin, R. R.**, Winning the war on weeds — with chemicals. Amer. Soc. Farm Mgr., Rur. Appraisers J. 15. 1951, 132—137.
- Ward, R. K.**, Control of weeds in drains. Nat. Weeds Conf. New Zealand Proc. 4. 1951, 24—26.
- Warmbrunn, Unkrautbekämpfung.** (Mitteilung des Pflanzenschutzamtes.) Württemb. Wochenbl. Landw. 118. 1951, 216—217.
- Warren, G. F.**, New herbicides — and new uses for old ones. Agric. Inst. Rev. November 1951, 3 p.
- Watson, A. J.**, Research report, North central weed conference. 1951, 89.
- Wendelbo, P.**, (Weeds from Afghanistan.) Blyttia (norw.) 9. 1951, 120—122.
- Whallon, A. P.**, Weeds: their control and use. Oregon Farmer 2 (3). 1951, 14—16, 52—53.
- Wieser, G.**, Unkräuter-Verwertung. Dtsch. Kleintier-Züchter 6. 1951, Nr. 8, S. 6—7.
- Willard, C. J.**, Weed control in forages. In: Hughes, H. D., Heath, M. E., and Metcalfe, D. S., Forages, Ames 1951, 461—465.
- Willard, C. J.**, Where do we go from here? Weeds 1. 1951, 9—12.
- Willis, T. G.**, Weeds of range lands in British Columbia. West. canad. Weed Control Conf. Proc. 5. 1951, 143—149.
- Wilson, F.**, The biological control of weeds. Westralian Farm. Co-op. Gaz. 21. 1951, 195—197, 199—200.
- Wolcott, A.**, Weed control is a necessary investment. Farmers Un. Herald 25. 1951, nr. 7, p. 12.

- Wood, A. J.**, Refuse screenings as animal feed. [spread of weeds] West. canad. Weed Control Conf. Proc. 5. 1951, 184—190.
- Wood, H. E., Olson, P. J., Shanks, G. L., and Craig, H. A.**, Steps toward effective weed control. Manitoba Dept. Agric. Immigr. Publ. nr. 238. 1951, 15 p., fig., tab.
- Wood, I. D.**, Danger!! Silent thieves at work. [weed control] West. Farm Life 53. 1951, nr. 12, p. 5.
- Woodward, C. H.**, Taming the landscape with herbicides. Horticulture 29. 1951, 374—375.
- Zandstra, K. J., and De Vries, D. M.**, (The rhythm of development of a weed community from arable land.) Versl. Centr. Inst. landb.kdg. Onderz. 1951, 34—39.
- Bibliography of weed investigations for 1950.** U. S. Dept. Agric., Bur. Plant Ind., Soils, agric. Engin., Beltsville (Maryland) 1951. 111 p.
- Canada: National Weed Committee, Eastern Sect.** Proceedings of the fourth meeting, November 6, 7, 8, 1950. Centr. Exp. Farm Ottawa, Canada, 1951, 122 p.
- 5. Northeastern Weed Control Conference, New York 1951.** Proceedings. Riverhead, N. Y., 1951. 332 p.
- 4. Southern Weed Conference, Memphis, 1951.** Proceedings. Memphis 1951. 146 p.
- De huidige stand van zaken bij de onkruidbestrijding.** Bedrijfsvoorl. Zuid-Holland 1951, nr. 18.
- Interdepartmental suggestions for weed surveys.** U. S. Interdept. Weed Control Comm., Washington, 1951, 7 p.
- It's spring time to kill those weeds.** West. Livestock J. 29. 1951, nr. 22, p. 40, 99, 101.
- National Weeds Conference, 4, Palmerston North, 1951:** Proceedings of the conference, held at Massey Agricultural College, 7th, 8th, 9th August, 1951. Palmerston North 1951, 68 p.
- North Central Weed Control Conference, 7, Milwaukee, 1950:** Research report. Milwaukee 1951?, 281 p.
- Southern African Weed Control Conference, 1, Johannesburg, 1950:** Proceedings. Johannesburg 1951, 48 p.
- State noxious-weed seed requirements recognized in the administration of the Federal Seed Act.** U. S. Dept. Agric. Prod., Market. Admin. rev. 1951. 100 p.
- The suppression of weeds.** North. Ireland Minist. Agric. Monthly Rept. 25. 1951, 334—337; 26. 1951, 77—80.
- Weed control in Washington.** Washington State Coll. Ext. Mimeogr. 1004. 1951, 7 p.
- Weed handbook.** Kansas Bd. Agric., Topeka, 1951, 38 p.
- Werkwijze ter bereiding van een mengsel ter verdelging van onkruid.** Octrooi nr. 67490. 1951.
- Western Canadian Weed Control Conference: Proceedings and abstracts, 1951.** Vancouver 1951. 234 p.

Spezieller Teil Special part — Partie spéciale

Anacardiaceae

- Higgins, A. V.**, We declared war on poison ivy. Childhood Educ. 27. 1951, 373—376.
- Long, E. J.**, Poison ivy counter attack! Nat. Mag. 44. 1951, 135—136.
- Minshall, W. H.**, Eradication of poison ivy (*Rhus radicans* L.). V. The effect of foliage removal prior to treatment on the control of poison ivy by applications of ammonium sulfamate and 2, 4-dichlorophenoxyacetic acid. Sci. Agric., Ottawa, 31. 1951, 127—130, 1 fig.
- Stone, E. C., and Juhren, G.**, The effect of fire on the germination of the seed of *Rhus ovata* Wats. Amer. J. Bot. 38. 1951, 368—372.
- Tafuro, A., and Van Geluwe, J.**, 2, 4-D and 2, 4, 5-T (for poison ivy control). Amer. Fruit Grower, Cleveland (Ohio), 71. 1951, nr. 4, p. 20—21.
- Vintinner, F. J.**, Ragweed and poison ivy control in New Hampshire. Down to Earth 7. 1951, nr. 2, p. 13—14.

Cactaceae

- Brown, A. L.**, Cactus invasion; can we stop it? [Opuntia] Progr. Agric. Arizona 3. 1951, nr. 2, p. 4.
- Meady, G. R. W.**, Prickly pear (*Opuntia* sp.). Austr. Dairy Rev. 19. 1951, nr. 2, p. 14.
- Eine Motte rettet Queensland.** [Cactoblastis cactorum] Übersicht, Ztschr. Landbuch-Gemeinsch., 2. 1951, 282—289.

Chenopodiaceae

- Bohmont, D. W.**, Halogeton, unwanted tenant of the West. Wyoming agric. Exp. Stat. Circ. 48. 1951, 11 p.
- Burback, H. J.**, Halogeton spread imperils ranges. [chemical control and range management] West. Farm Life 53. 1951, nr. 2, p. 8, 12.
- Cuthbertson, E. G.**, Studies of galvanized burr (*Bassia bircii*). 1. Effectiveness of chlorinated phenoxyacetic acid derivatives as controlling agents. J. austr. Inst. agric. Sci. 17. 1951, 199—202.
- Durrell, L. W.**, Halogeton, a new stockpoisoning weed. Colorado agric. Coll. Ext. Circ. 170—A. 1951, 5 p.
- Knoll, L.**, Halogeton — deadly new range plant gains foothold in West. West. Livestock J. 30. 1951, nr. 5, p. 155, 158.
- Stoddart, L. A., Baird, G. T., Stewart, G., Markham, B. S., and Clegg, H.**, The Halogeton problem in Utah. Utah State agric. Coll. Ext. Bull. 250. 1951, 12 p.
- Stoddart, L. A., and Cook, C. W.**, Research will attempt to give definite answers to questions on Halogeton poisoning. Farm, Home Sci. (Utah Stat.) 12. 1951, 70—71, 83—84.

- Talbert, R. E., and Pryor, M. R.,** Halogeton and its control. Calif. Dept. Agric. Bull. 40. 1951, 34—36.
- Warden, R. L., and Johnson, R.,** Halogeton in Montana. Montana Wool Grower 20. 1951, nr. 8, p. 8, 21—22.

Compositae

- Altona, R. E.,** Seasonal spray treatments of Stoebe vulgaris with 2, 4-D and methoxone. South. afr. Weed Control Conf. Proc. 1. 1951, 40—42.
- Bakke, A. L.,** Control of perennial herbaceous weeds: Canada and perennial sow thistle. North Centr. Weed Control Conf. Res. Rept. 7 (1950). 1951?, 1—6.
- Bassett, I. J.,** Ragweeds (Ambrosia) and their distribution in eastern Canada. Canada nat. Weed Comm. (east. Sect.) Proc. 4. 1951, 74—76.
- Brodie, R. N.,** Variegated thistle — aerial spraying in Hawke's Bay. Nat. Weeds Conf. New Zealand Proc. 4. 1951, 30—32.
- Elder, W. C.,** Controlling perennial ragweed to make better pastures. Oklahoma agric. Exp. Stat. Bull. nr. B—369. 1951, 11 p.
- Evanko, A. B.,** Response of Wyethia to 2, 4-D. U. S. Forest Serv. north. Rocky Mountain Forest, Range Exp. Stat. Res. Note 98. 1951, 7 p.
- Everist, S. L.,** Russian knapweed (Centaurea repens) declared a noxious plant. Queensland agric. J. 72. 1951, 357—359.
- Görges, P.,** Praktische Distelbekämpfung. Landw. Wochenbl. Kurh. u. Waldeck 166. 1951, 611—612. — Rhein. Bauernztg. 5. 1951, 229—230.
- Gorlin, P.,** Ecological aspects of ragweed control. Northeast. Weed Control Conf. Proc. 5 (sup.). 1951, 141—146.
- Hamilton, R. D., Whitfield, C. J., and Rea, H. E.,** Chemical control of blueweed (Helianthus ciliaris). Texas agric. Exp. Stat. Progr. Rept. 1375. 1951, 2 p.
- Hartmann, H.-P.,** Gegen die Distel. Bauernbl. Schlesw.-Holst. 5./101. 1951, 460—461, 1 Abb.
- Hull jr., A. C.,** Chemical control of big sagebrush (Artemisia tridentata) on Wyoming ranges. J. Colorado-Wyoming Acad. Sci. 4. 1951, nr. 3, p. 65—66 (Abstr.).
- Hull jr., A. C., and Vaughn, W. T.,** Controlling big sagebrush (Artemisia tridentata) with 2, 4-D and other chemicals. J. Range Managem. 4. 1951, 158—164.
- Kull, B.,** 2, 4-D can control Canada thistle. Idaho Farmer 69. 1951, 649.
- Lee, O. C.,** Canada thistle can be killed. Hoosier Farmer 36. 1951, nr. 8, p. 14—15.
- Lorenzini, O. A.,** El abrojo grande y su destrucción. Pampa Argentina 24. 1951, nr. 278, p. 8, 35. — Rev. Bolsa Com. Rosario 39. 1951, nr. 947, p. 11—13.

- McNamara, J. J.,** Chemical control of brush; coyote brush effectively cleared by use of 2, 4-D in land conservation studies in San Mateo County. [control of Baccharis pilularis] Calif. Agric. (Calif. Stat.) 5. 1951, nr. 7, p. 5, 11.
- Mather, H. J.,** Canada thistle and perennial sow thistle control. [Cirsium arvense, Sonchus oleraceus] Line Elevators Farm Serv., Winnipeg, Circ. 13. 1951, 4 p.
- Müller, G.,** Bekämpfung der Ackerdisteln in der Rhein-niederung. Landw. Ztschr. Nord-Rheinprov. 118. 1951, 8—9.
- Ratera, E. L.,** Plantas tóxicas argentinas; consideraciones generales sobre el romerillo o mio-mio (Baccharis cordicolia D. C.). Rev. Bolsa Cereales, Buenos Aires, 35. 1951, nr. 8169, p. 12, 20—22.
- Ryckman, R. E.,** Injurious effects of Paracantha culta on Canadian thistle in Wisconsin. J. econ. Ent. 44. 1951, 127.
- Tandon, R. K.,** The use of 2, 4-D in the control of baisuri (Pluchea lanceolata). Agric. Anim. Husb., Uttar Pradesh, 1. 1951, nr. 9, p. 9—11.
- Tripe, W. J.,** Variegated thistle control. Nat. Weeds Conf. New Zealand Proc. 4. 1951, 36—42.
- Uhler, L. D.,** Biology and ecology of the goldenrod gall fly, Eurosta solidaginis (Fitch). [on Solidago canadensis] Cornell Univ. agric. Exp. Stat. Mem. 300. 1951, 51 p., fig., tab.
- Vintinner, F. J.,** Ragweed and poison ivy control in New Hampshire. Down to Earth 7. 1951, nr. 2, p. 13—14.
- Voevodin, A. V.,** (Sensitivity of weeds (Cirsium arvense and C. incanum) to 2, 4-D in relation to their biological characteristics.) Zhurn. Obshch. Biol. (russ.) 12. 1951, 282—286.
- Warren, R., and Freed, V.,** Transy ragwort, a poisonous weed. Oregon State Coll. Ext. Bull. 717. 1951, 6 p.
- Wolfe, H., and Overland, A.,** Tansy ragwort (Senecio jacobaea), a growing menace in Washington. Washington State Coll. Ext. Mimeogr. 958. 1951, 3 p.

Convolvulaceae

- Bryant, L. R., and Rasmussen, L. W.,** The use of 2, 4-D in orchard bindweed control. Proc. amer. Soc. hort. Sci. 58. 1951, 131—135.
- Chaffin, W.,** Bindweed eradication in Oklahoma. Oklahoma Ext. Serv. Circ. 453. 1951?, 7 p., 1 fig.
- Chaffin, W.,** Bindweed — saboteur on southwestern farms. Southwest. Crop Stock 5. 1951, nr. 8, p. 12—13.
- Hamilton, R. D., Whitfield, C. J., and Rea, H. E.,** Control of extensive infestation of bindweed (Convolvulus arvensis) in northwest Texas. Texas agric. Exp. Stat. Progr. Rept. 1392. 1951, 5 p.
- Nikam, B. G., and Pawar, F. K.,** Powdery mildew on Convolvulus arvensis L. caused by Oidium species. Poona agric. Coll. Mag. 41. 1951, 287—290.

Warren, R., Wild morning glory, a tough weed to tame. Grange News (Pacific Grange Farmer, Illustr. Sect.) Oct. 1951 (Sect. 1), 5, 8.

Woestemeyer, V. W., Control of perennial herbaceous weeds: Field bindweed (*Convolvulus arvensis*). North Centr. Weed Control Conf. Res. Rept. 7 (1950). 1951?, 27—33.

Cruciferae

Everist, S. L., Hoary cress declared a noxious weed. [Lepidium draba] Queensland agric. J. 72. 1951, 19—21. — Queensland Prod. 32. 1951, nr. 34, p. 25.

Hallerfors, M., (Extermination of *Bunias orientalis*). Skaraborgs Läns Hushållsk. Tidn. (swed.) Dec. 1951, 319—323.

Manning, C. T., One farm is rid of wild mustard. Oregon Farmer 3. 1951, 41.

Sterling, G. R., The control of hoary cress in Alberta. Alberta Dept. Agric., Field Crops Branch 1951, 6 p.

Wyman, O. L., and **Hickey, J. C.**, How to control yellow rocket (winter cress) (*Barbarea*). Maine agric. Coll. Ext. Circ. 264. 1951, 5 p.

Cyperaceae

Burgis, D. S., Nut grass (*Cyperus rotundus*) control with 2,4-D in Florida. Florida agric. Exp. Stat. Circ. S-38. 1951, 5 p.

Cohen, G., (An experiment with 2,4-D for the control of *Cyperus rotundus* L.) Hassadeh (hebr.) 32. 1951, 45—47.

Da Silva, N. A., (Razorsedge (*Scleria tenacissima*) and its control.) Agronomia (Rio de Janeiro) 10. 1951, 85—86.

Marcelli, E., Risultati di un secondo anno di prove di lotta contro il *Cyperus rotundus* L. con »2,4-D«. (Result of the second year of the control of *Cyperus rotundus* L. with »2,4-D«.) Tabacco 55. 1951, 120—126. — Not. Mal. Pianta nr. 14. 1951, 20—26.

Martin, J. A., Control of nutgrass (*Cyperus rotundus*) with chloropicrin. Larvacide Log 12. 1951, 14—15.

Martin, J. A., A tough one to crack, nutgrass (*Cyperus rotundus*) can be killed with chloropicrin. South. Seedsman 14. 1951, nr. 4, p. 28—29, 58.

Euphorbiaceae

Cayouette, R., Euphorbia esula L. dans le Québec. Rev. Oka 25. 1951, 36—38.

Heggeness, H. G., Recent studies on the use of chemicals for the control of spurge and thistles. Proc. 10th Ann. Short Course Weed Seed Insp. Jan. 1951, 52—54.

Pavlychenko, T. K., Control of perennial herbaceous weeds: Leafy spurge. [Euphorbia esula] North Centr. Weed Control Conf. Res. Rept. 7 (1950). 1951?, 22—26.

Sterling, G. R., The control of leafy spurge in Alberta. Alberta Dept. Agric., Field Crops Branch, 1951, 4 p.

Gramineae

Ahrer, K., Bekämpfung des Borstgrases. [Nardus stricta L.] Bauer 4. 1951, Nr. 35, S. 8—9.

Augenstein, J. B., Sodium TCA for control of grasses. Tree Planters' Notes nr. 4. 1951, 10—11.

Becker, A., Windhalmbekämpfung jetzt noch möglich. Landw. Ztschr. Nord-Rheinprov. 118. 1951, 66, 1 Abb.

Beeri, Y., (On the control of *Phalaris* in our fields.) Hassadeh (hebr.) 31. 1951, 374—375.

Benford, H., Killing grass fast and cheaply. Progr. Farmer, Georgia-Alabama-Florida Ed., 66. 1951, nr. 5, p. 16.

Crook, S. R., Crab grass control. Prof. Gard. 3. 1951, 34—35.

DeRose, H. R., Crabgrass inhibition with O-isopropyl N-(3-chlorophenyl) carbamate. Agron. J. 43. 1951, 139—142.

Dmitriev, V. S., (On the primary source of chess (*Bromus secalinus*) origin and measures for eradicating it.) Agrobiologiča (russ.) 6. 1951, 6—15.

Dotzenko, A. D., TCA for Johnson grass control. New Mexico agric. Exp. Stat. Press Bull. 1058. 1951, 3 p.

Elder, W. C., Bermuda grass control. Oklahoma agric. Exp. Stat. Mimeogr. Circ. M-214. 1951, 4 p.

Elder, W. C., Controlling Johnson grass in Oklahoma (a progress report). Oklahoma agric. Exp. Stat. Mimeogr. Circ. M-215. 1951, 5 p.

Evans, S., Control of Johnson grass with sodium TCA. Crop Comments 4. 1951, nr. 11, p. 1—2.

Ferguson, M. H., and **Wilson, C. G.**, Crabgrass (*Digitaria*) control. USGA Journal 3. 1951, nr. 7, p. 27—31.

Gopalkrishnan, K. S., Development and parasitism of *Physoderma graminis* (Büs.) Fischer, on *Agropyron repens* (L.) Beauv. Phytopathology 41. 1951, 1065—1076, 1 fig.

Grigsby, B. H., The use of chlordane for the control of crabgrass (a preliminary report). Michigan agric. Exp. Stat. Quart. Bull. 34. 1951, 158—161.

Hamilton, R. D., **Whitfield, C. J.**, and **Rea, H. E.**, Chemical control of Johnson grass on a heavy soil in northwest Texas. Texas agric. Expt. Stat. Progr. Rept. 1345. 1951, 3 p.

Hamilton, R. D., **Whitfield, C. J.**, and **Rea, H. E.**, Chemical control of Johnson grass (*Sorghum halepense*) on heavy soil. Texas Livestock J. 10. 1951, nr. 6, p. 28, 30.

Harrison, C. M., Controlling grasses in field crops. Hoard's Dairyman 96. 1951, 668.

- Hasegawa, K., Nohara, Y., and Koyama, R.**, (Researches on the putrefaction of bamboo-grass in wooded-area.) [Calcium chloride to kill Sasa] Jap. Forestry Soc. Trans. 59. 1951, 107—109.
- Kratochvil, D. E.**, Use of herbicides in control of perennial herbaceous weeds. Quack grass. North Centr. Weed Control Conf. Res. Rept. 7 (1950). 1951?, 7—17.
- Leggett, H. W.**, Wild-oat control. West. canad. Weed Control Conf. Proc. 5. 1951, 171—174.
- Nutter, G. C.**, Crabgrass control for 1951. Farm Res. [New York State Stat.] 17. 1951, nr. 2, p. 10—11.
- Petersen, H. I.**, Flyvehavren og saedskiftet. (Flughafer und Fruchtfolge.) Ugeskr. Landmoend no. 49. 1951, 2 p.
- Riepma, P.**, (Occurrence and control of *Alopecurus myosuroides* in Groningen.) Versl. Centr. Inst. landb.kdg. Onderz. 1951, 131—134.
- Roger, G. A.**, Russian wild-rye. U.S. Dept. Agric. Leaf. 313. 1951, 8 p.
- Schaus, R.**, It's a battle—Arizona's native grass is fighting juniper to live. West. Livestock J. 29. 1951, nr. 59, p. 100—101, 103.
- Schery, R. W.**, Evaluation of a selective crabgrass killer. [Scutl. phenyl mercuric acetate] Missouri bot. Garden Bull. 39. 1951, 74—82.
- Scott, W. O.**, Watch out for giant foxtail. Farm J. 75. 1951, nr. 8, p. 40.
- Shaw, N. H., and Bisset, W. J.**, Control of Johnson grass, *Sorghum halepense* (L.) Pers. by soil fumigation with »D. D. a. J. austr. Inst. agric. Sci. 17. 1951, 218—219.
- Slife, F. W., and Scott, W. O.**, Giant foxtail (*Setaria faberii*) new cornbelt weed menace. Crops and Soils 3. 1951, nr. 7, p. 22—23.
- Somers, L. A.**, Giant foxtail (*Setaria faberii*) a danger to vegetable crops and gardens. Illinois agric. Coll. Ext. H-470. 1951, 2 p.
- Stamper, E. R., and Chilton, S. J. P.**, Johnson grass and chemicals in sugar-cane in Louisiana. Down to Earth 6. 1951, nr. 4, p. 9—10.
- Stamper, E. R., and Chilton, S. J. P.**, Johnson grass control. Sugar Bull. 29. 1951, 149—151, 154—155.
- Stiver, E. N., Rea, H. E., and Johnston, J. R.**, Chemical control of Johnson grass at the Blackland Station, 1950. Texas agric. Exp. Stat. Progr. Rept. 1318. 1951, 2 p.
- Swanson, Ch. R., and Helgeson, E. A.**, Wild oats control; a progress report. North Dakota agric. Exp. Stat. Bi-monthly Bull. 13. 1951, 119—120.
- Terlouw, D.**, Bentbestrijding. Bedrijfsvoorl. Sticht 4. 1951, nr. I, p. 2.

- Timofeeva-Tjulina, M. T.**, (Cold resistance of wheat-quackgrass hybrids.) [Agropyrum repens] Selekttsia i Semenovodstvo (Selection and Seed Growing) 18. 1951, nr. 7, p. 12—20.
- Tuckett, A. J.**, Practical control of gorse. Nat. Weeds Conf. New Zealand Proc. 4. 1951, 10—14.
- Weiss, P. E.**, An inexpensive method of crabgrass control. Greenkeepers' Rept. 19. 1951, 5—6.
- Willard, C. J., and Peters, R. A.**, The use of sodium trichloroacetate on Johnson grass. Down to Earth 7. 1951, nr. 2, p. 10—11.
- Wolcott, A. R.**, Bromegrass as an effective agent in quackgrass control. Michigan agric. Exp. Stat. Quart. Bull. 33. 1951, 343—350.
- Zürn, F.**, Bekämpfung des Bürstlings (Steigerung des Almertrages durch Verbesserung der Pflanzenbestände.) [Nardus stricta] Österr. Arb.gemeinsch. Alm- u. Weidewirtsch. (Österr. Fachzeitschr.verl., Wien) 1951, H. 4. — Pflug 4. 1951, 6—8.
- Zürn, F.**, Höhere Alperträge durch Borstgrasbekämpfung. [Nardus stricta] Auf der Alpe 6. 1951, 41—42.
- The control of quack grass.** Down to Earth 7. 1951, nr. 1, p. 10—11.
- Flyvehavrens bekaempelse.** (Control of wildoats.) Meddel. Stat. Forsøgsvirks. Plantekult. 470. 1951, 2 p.

Hypericaceae

- Ellis, H.**, Fighting weeds with beetles. [control of Hypericum] Farm J. 65. 1951, nr. 4, p. 29.
- Harris, G. A.**, St. Johns' wort (goatweed) on western ranges. Mont. Stockgrower 23. 1951, nr. 5, p. 10.
- Harris, G. A.**, St. Johns' wort (*Hypericum perforatum*) on western ranges; a review of literature and bibliography. U.S. Forest Serv. north. Rocky Mountain Forest, Range Exp. Stat. Paper 26. 1951, 18 p.
- Holloway, J. K., and Huffaker, C. B.**, The role of *Chrysolina gemellata* in the biological control of *Klamath weed*. [Hypericum perforatum] J. econ. Ent. 44. 1951, 244—247.
- Orchard, H. E.**, Weeds of South Australia: St. John's wort (*Hypericum perforatum* L. var. *angustifolium* D. C.). J. South Austr. Dept. Agric. 54. 1951, 536—540.

Leguminosae

- Balmos, D.**, Enemy number one. [mesquite control] Texas Livestock J. 10. 1951, nr. 7, p. 7, 24, 26.
- Blair, B. O.**, Mesquite seed and seedling response to 2,4-D and 2,4,5-T. [Prosopis juliflora var. *velutina*] Bot. Gaz. 112. 1951, 518—521.
- Butler, E.**, Mesquite finally meets its match. [control with 2,4,5-T] Progr. Farmer (Texas Ed.) 66. 1951, nr. 3, p. 16, 180.

- Chervenka, C. H., and Wender, S. H.**, Chemical studies on a toxic concentrate from the Big Bend locoweed. Oklahoma Acad. Sci. Proc. 31 (1950). 1951, 99—100.
- Christensen, S.**, Chemical control of tree lupin. Nat. Weeds Conf. New Zealand Proc. 4. 1951, 63—64.
- Conge, L.**, Les genêts (*Cytisus*) ces plantes nuisibles! Synd. Apic. Artois, Nord France Bull. Mens. 7. 1951, 246—248.
- Fisher, C. E., and Young, D. W.**, It's quite a problem, this control of mesquite. Sheep, Goat Raiser 31. 1951, nr. 5, p. 16—17, 44—45.
- Fisher, C. E., Young, D. W., and Marion, P. T.**, Control of mesquite. Texas agric. Exp. Stat. Progr. Rept. 1320. 1951, 7 p. — Texas Livestock J. 10. 1951, nr. 3, p. 7, 32—33, 36.
- Hamblyn, C. J.**, Gorse — chemical control trials. Nat. Weeds Conf. New Zealand Proc. 4. 1951, 3—6.
- Marschall, W. I.**, Agency-farmer cooperation needed in mesquite eradication work. West Texas Today 32. 1951, 13.
- Norris, J. J.**, Eradicate mesquite! New Mexico agric. Coll. Ext. News 31. 1951, nr. 12, p. 4.
- Norris, J. J.**, A summary of mesquite control trials on the College Ranch. In: U.S. Forest Serv. southwest. Forest, Range Exp. Stat., Tucson?, 8. 10. 1951, 10—12.
- Oliver, T.**, Control of tree lupins with 2,4-D hormone weedkiller. Nat. Weeds Conf. New Zealand Proc. 4. 1951, 65—68.
- Pescott, E. E.**, The menace of the mesquite. West austr. Farmers Co-op. Gaz. 20. 1951, 191—192.
- Porter, J. C.**, Mesquite control makes progress. West Texas Today 32. 1951, nr. 9, p. 26, 55, 58.
- Semenova-Tiān'shanskaia, A. M., and Gorshkova, A. A.**, (*Caragana frutex* Koch as a weed in steppe pastures.) Bot. Zhurn. 36. 1951, 534—541.
- Shelton, G.**, The battle against mesquite. Progr. Farmer, Texas Ed., 66. 1951, nr. 11, p. 26, 149.
- Shelton, G.**, Mesquite spraying. [aerial spraying with ammate] Cattleman 38. 1951, nr. 3, p. 76.
- Thimann, K. V.**, The use of 2:4-D against a woody tropical weed (*Dichrostachys nutans*). Int. Congr. Crop Prot. Proc. 2 (1949). 1951, 433—437.
- Walker, A. H.**, Chemical control of mesquite. Texas Livestock J. 10. 1951, nr. 4, p. 9, 56. — Sheep and Goat Raiser 31. 1951, nr. 7, p. 22—23.
- Yeates, J. S.**, Gorse control on Massey College sheep farm. Nat. Weeds Conf. New Zealand Proc. 4. 1951, 7—9.

Pontederiaceae

- Lovering, F. W.**, New chemical deadly in war on hyacinth. [2,4-D derivative for control of *Eichhornia crassipes*] Florida Grower 59. 1951, nr. 3, p. 10, 22.
- Saxby, S. H.**, Water hyacinth. Nat. Weeds Conf. New Zealand Proc. 4. 1951, 22—23.
- Vaas, K. F.**, Notes on the water hyacinth in Indonesia and its eradication by spraying with 2,4-D. [*Eichhornia crassipes*] Contrib. Gen. agric. Res. Stat., Bogor, nr. 120. 1951, 59 p., 8 fig.
- Villadolid, D. V.**, Let us use our water hyacinths or »waterlilies«. [feed for poultry and swine] Agric., ind. Life 13. 1951, nr. 10, p. 43.

Scrophulariaceae

- Botha, P. J.**, The germination of the seeds of angiospermous root-parasites. III—IV. [*Alectra vogelii*] J. south afr. Bot. 17. 1951, 49—72.
- Friesen, H. A.**, The control of toadflax (*Linaria vulgaris*). West. canad. Weed Control Conf. Proc. 5. 1951, 165—171.
- Ortiz Garmendia, J.**, La digital es motivo de preocupación del ganadero. [livestock poisoning] Campesino, Santiago, 83. 1951, nr. 10, p. 29.
- Sterling, G. R.**, The control of toad flax (*Linaria vulgaris*) in Alberta. Edmonton 1951?, 4 p.
- Strijkers, J.**, Verdelging van *Rhinantus major* Ehrh. Ratelaar. Selectieve onkruidbestrijding in vochtig grasland. Meded. Landbouwhoogeschool. Opzoekingsstat., Gent, Deel 16. 1951, 81—91.

Solanaceae

- Goldberg, R. E.**, The Jimson weed menace. Today's Health 29. 1951, nr. 8, p. 38—39, 66—67.
- Orchard, H. E.**, Weeds of South Australia: South African boxthorn (*Lycium ferocissimum* Miers). J. south austr. Dept. Agric. 54. 1951, 428—430.
- Thorold, P. W.**, *Cestrum aurantiacum* poisoning. East afr. agric. J. 16. 1951, 114.

Varia

- Banfield, G. L.**, Control of buttercup (*Ranunculus*) and pennyroyal (*Mentha pulegium*) on Hauraki plains. New Zealand J. Agric. 82. 1951, p. 69, 71, 73—74.
- Barabé, R.**, Progress report on the eradication of purple loosestrife (*Lythrum salicaria* L.) in Quebec. Canada nat. Weed Comm. (east. Sect.) Proc. 4. 1951, 83—90.
- Becker, Die Pfeilkresse und ihre Bekämpfung.** Landw. Ztschr. Nord-Rheinprov. 118. 1951, 240, 1 Abb.

- Bouchet, R.-L., Denninger, C., et Dumont, L.**, La lutte chimique contre la macre ou «châtaigne d'eau». *Phytoma*, Paris, 4. 1951, nr. 25, p. 8—17, 9 fig., 1 tab.
- Bouchet, R. L., et Dumont, L.**, Destruction de la macre (*Trapa natans* L.) dans les étangs des Dombes à l'aide du 2,4-dichlorophénoxyacétate de sodium. *Compt. rend. Acad. Agric. France* 37. 1951, 33—36.
- Braid, K. W.**, Bracken control: Artificial and natural. *J. brit. Grassl. Soc.* 2. 1947, nr. 4.
- Brandt, Weg mit den Binsen!** [*Juncus*] *Landw. Wochenbl. Westf., Lippe* 108 A. 1951, 823—824.
- Brondegaard, V. J.**, (A floral tormentor of peasants.) [*Ononis*] *Dansk Landbr.* 70. 1951, 367.
- Ciferri, R.**, Segnalazione del mosaico di *Rumex* nei dintorni di Pavia. *Not. Mal. Piante* nr. 15. 1951, 97.
- Cock, R. E.**, Blackberry control. *Tasmanian J. Agric.* 22. 1951, 332—335.
- Coupland, R. T.**, Control of perennial herbaceous weeds: Hoary cress, Russian knapweed and all other perennial herbaceous weeds. *North Centr. Weed Control Conf. Res. Rept.* 7 (1950). 1951?, 34—52.
- Crooks, D. M., and Kephart, L. W.**, Poison-ivy, poison-oak, and poison sumac; identification, precautions, eradication. *U.S. Dept. Agric. Farmers' Bull.* 1972. 1951, 30 p.
- Davidsson, I.**, (Spray for chickweed.) *Freyr* (icelandic) 46. 1951, 157.
- Davies, G. M., and Davies, R. P.**, The control of bracken. [*Pteris aquilina*] *West austr. Farmers Co-op. Gaz.* 20. 1951, 113—114.
- Derico, T. R.**, Experimental control of cogon (*Imperata cylindrica* [Linn.] Beauv.), water hyacinth (*Eichornia azurea* Kunth.), *Lantana camara* Linn., and other noxious weeds with 2,4-D and other herbicides. *Philipp. Agriculturist* 34. 1951, 189—201.
- Downing, G. R.**, The bird's nest plant. [wild carrots] *Nat. Mag.* 44. 1951, 148.
- Earle, T. T., Riess, K., and Hidalgo, J.**, Tracer studies with alligator weed (*Alternanthera philoxeroides*) using 2,4-D-C¹⁴. *Science, Lancaster*, 114. 1951, 695—696.
- Easterbrook, B.**, Weed control; control of eucalypt seedlings and suckers. *Queensland agric. J.* 72. 1951, 159—161.
- Fischer-Rellingen**, Erfahrungen bei der Bekämpfung des Sumpfschachtelhalms (Duwock). *Gesunde Pflanzen* 3. 1951, 153—155, 2 Abb.
- Gardiner, G.**, Spraying of blackberry in North Taranaki. *Nat. Weeds Conf. New Zealand Proc.* 4. 1951, 18—19.
- Germ, H., und Schönbrunner, J.**, Kleeseide, Kleeteufel und Unkräuter in Klee- und Luzerneschlägen. [*Cuscuta, Orobanche minor* etc.] *Landwirtschaft* 23/24. 1951, 357—360.
- Goodchild, N. E.**, Control of *Lantana* by cultural methods in the Mackay district. *Queensland agric. J.* 72. 1951, 11—16. — *Queensland Prod.* 32. 1951, nr. 34, p. 4—5.
- Grigsby, B. H.**, Control of mossy stonecrop (*Sedum acre* L.) and certain other lawn weeds. *Michigan agric. Exp. Stat. Quart. Bull.* 33. 1951, 326—331.
- Halls, L. K., and Burton, G. W.**, Effect of 2,4-D, 2,4,5-T and sodium trichloroacetate on gallberry (*Ilex glabra*). *J. Forestry* 49. 1951, 895—897.
- Hisauchi, K.**, (Some peregrine weeds.) *J. jap. Bot.* 26. 1951, 348.
- Johansson, J.**, (*Legousia hybrida* (L.) Delarbre as a weed in Skåne.) *Bot. Notiser* 4. 1951, 403.
- Kummer, H.**, Vergiftungen bei Pferden durch Adonis in Luzerneheu. *Bad. landw. Wochenbl.* 118. 1951, 340.
- Lacroix, L.**, Étude morphologique et biologique de *Peronospora holostei* Caspary parasite de *Holosteum umbellatum* L. *Rev. Path. vég. Ent. agric. France* 30. 1951, 114—124, 1 tab.
- Luna Ercilla, C. A.**, Una maleza aprovechable. [*Sida rhombifolia*] *Chacra* 22. 1951, nr. 253, p. 68.
- Miller, N. C. E.**, A new species of *Afrius* (Hem., Pentatomidae) predacious on *Schematiza cordiae* Barb. in Mauritius. *Bull. ent. Res.* 42. 1951, 183—184, 1 fig.
- Orchard, H. E.**, Caltrop (*Tribulus terrestris* L.). *J. south austr. Dept. Agric.* 55. 1951, 241—243.
- Pirone, P. P.**, Controlling crabgrass and other weeds with chemicals. *Gard. J.* 1. 1951, 47, 57.
- Plant, W.**, Horse-tail (*Equisetum*) v. good grass. *Farmer's Weekly* 34. 1951, nr. 4, p. 49.
- Schönbrunner, J.**, Versuche zur Bekämpfung des Alpenampfers mit Hormonpräparaten. *Pflanzenarzt, Wien*, 4. 1951, Nr. 10, S. 4.
- Smallwood, G.**, Is the Texas rangeland thief robbing you? [undesirable brush species] *Texas A & M Agric.* 10. 1951, nr. 2, p. 6, 24—26.
- Smith, W. S.**, Soursob (*Oxalis cernua*) poisoning of sheep. *J. Dept. Agric. South Austr.* 54. 1951, 377—378.
- Wagner, J.**, Juniper control on the Apache Indian Reservation. *Arizona Cattlelog* 6. 1951, nr. 5, p. 38—40.
- Ward, R. K.**, Control of willows with chemicals. *New Zealand J. Agric.* 83. 1951, 123—125.
- Wardrop, G.**, Bracken beaten on the braes. *Farmer and Stock-Breeder* 65. 1951, nr. 3220, p. 94—95.

5. Tierische Feinde
Animal parasites — Parasites animaux

a. Vermes

- Ahlberg, O., (On the nematode problem in Scandinavian agriculture.) Nord. Jordbr.forskn. 2/3. 1951, 456—460.
- Bom, G. J., Het erwtenecystenaaltje. Techn. Ber. (Peulvr. Studie Comb.) nr. 56. 1951, 7 p.
- Brown, E. B., Plant parasitic eelworms. Great Britain nat. agric. adv. Serv. Quart. Rev. 13. 1951, 12—18.
- Carvalho, J. C., (Nematodes semi-parasitic or saprophytic?) Rev. Agric., Piracicaba, 26. 1951, 219—229.
- Carvalho, J. C., Nematoides das raízes encontrados em São Paulo. (Root nematodes found in São Paulo.) Arq. Inst. biol., São Paulo, 20. 1951, 165—172, 1 fig.
- Christie, J. R., and Perry, V. G., Removing nematodes from soil. Proc. helminth. Soc. Washington 18. 1951, 106—108.
- Christie, J. R., and Perry, V. G., A root disease of plants caused by a nematode of the genus *Trichodorus*. Science, Lancaster, n. ser. 113. 1951, 491—493.
- Christie, J. R., and Perry, V. G., Testing the efficacy of chemicals for killing soil-inhabiting nematodes under field conditions. Proc. helminth. Soc. Washington 18. 1951, 9—13.
- Ciccarone, A., Posizione sistematica del nematode galligeno *Heterodera marioni* Goodey. Ital. agric., Roma, 88. 1951, 751.
- Conroy, R. J., The use of soil fumigants for root knot control. [*Heterodera marioni*] Agric. Gaz. New South Wales 62. 1951, 411—414.
- Daulton, R. A. C., Preliminary investigations on the effectiveness of high frequency currents in the destruction of root knot nematode. Salisbury (Rhodesia) 1951?, 4 p.
- Daulton, R. A. C., and Stokes, W. M., Eelworm destroyed in soil by electric current; encouraging results from field tests. Farmer's Weekly, Bloemfontein, 81. 1951, 41.
- Davidson, R. H., Heptachlor for nematode control. Amer. Assoc. econ. Ent., North Centr. States Branch, Proc. 6. 1951, 111—112.
- De Man, J. G., Tienminste 44 artikelen over nematoden, samengevat in de literatuurlijst van »Dr. Johannes Govertus de Man«, door W. S. S. van Benthem Jutting. Biol. Jaarb. Dodonaea 18. 1951, 244—258.
- Dougherty, E. C., Evolution of zoöparasitic groups in the phylum Nematoda, with special reference to host-distribution. J. Parasitol. 37. 1951, 353—378.
- Duddington, C. L., *Dactylella lobata*, predacious on nematodes. Trans. brit. mycol. Soc. 34. 1951, 489—491, 1 fig.
- Fenwick, D. W., and Franklin, M. T., Further studies on the identification of *Heterodera* species by larval length. Estimation of the length parameters for eight species and varieties. Journ. Helminth. 25. 1951, 57—76, 3 fig.
- Fenwick, D. W., and Reid, E., The use of a microbalance in putting up uniformly sized batches of *Heterodera* cysts for experiment. Journ. Helminth. 25. 1951, 161—165, 1 tab.
- Fielding, M. J., Observations on the length of dormancy in certain plant infesting nematodes. [*Ditylenchus dipsaci*, *Anguina tritici*] Proc. helminth. Soc. Washington 18. 1951, 110—112.
- Franklin, M. T., The cyst-forming species of *Heterodera*. Commonw. agric. Bur., Farnham R. (Bucks.) 1951. [4] + 147 p., 21 fig.
- Geiser, D. S., Nematodes are crop killers. Successful Farming 49. 1951, nr. 11, p. 184, 187.
- Goffart, H., Nematoden der Kulturpflanzen Europas. P. Parey, Berlin 1951. 144 S., 91 Abb.
- Goffart, H., Nematoden, eine ernste Gefahr für den Ackerbau. Landw. Ztschr. Nord-Rheinprov. 118. 1951, 1067—1068, 3 Abb.
- Goffart, H., 1951 — ein Nematodenjahr. Landw. Wochenbl. Westf.-Lippe 108 A. 1951, 1703—1704.
- Goffart, H., Über die Verbreitung und Pathogenität des Wurzelgallen nematoden (*Heterodera marioni*) in der Türkei. Ztschr. Parasitenkunde 15. 1951, 57—69, 8 Abb.
- Goffart, H., Zur Frage der Verwendbarkeit von E 605 in der Nematodenbekämpfung. Nachr.bl. dtsh. Pfl.schutzd., Braunschwg., 3. 1951, 164—167.
- Goodey, J. B., The »hemizonid«, a hitherto unrecorded structure in members of the Tylenchoidea. Journ. Helminth. 25. 1951, 33—36, 1 fig.
- Goodey, T., Laboratory methods for work with plant and soil nematodes. Minist. Agric. Fish., London, Techn. Bull. nr. 2. 1951, 25 p., 16 fig.
- Goodey, T., Nematology department. Rothamsted Exp. Stat. Rept. 1950. 1951, 82—89.
- Goodey, T., Soil and freshwater nematodes. Methuen & Co., Ltd., London, J. Wiley & Sons, N. York 1951. XXVI + 390 p., 190 fig.
- Graham, T. W., Nematode root rot of tobacco and other plants. South Carolina agric. Exp. Stat. Bull. 390. 1951, 25 p., fig., tab.
- Graham, T. W., and Holdeman, Q. L., Nematode injury to tobacco, cotton, and corn in relation to populations of root-knot and meadow nematodes. Phytopathology 41. 1951, 14.

- Hagemeyer, J. W.**, A new stage in the life cycle of the golden nematode *Heterodera rostochiensis* Wollenweber. Proc. helminth. Soc., Washington, 18. 1951, 112—114.
- Heeley, W., D-D** — a soil fumigant against *Heterodera marioni* in the United Kingdom. Int. Congr. Crop Prot. 2 (1949). 1951, 193—202.
- Kotthoff, P.**, Die wichtigsten pflanzenschädlichen Nematoden. Höfchen-Briefe, Leverkusen, 4. 1951, 191—216, 22 Abb.
- Lordello, L. G. E.**, (On the present state of taxonomy of the nematodes causing root knots.) Rev. Agric., Piracicaba, 26. 1951, 247—250.
- Lownsbery, B. F., Lownsbery, J. W., and Mai, W. F.**, Nematodes found in New York State fields with several different cropping histories. Amer. Potato J. 28. 1951, 681—686.
- Meyl, A. H.**, Die künstliche Infektion mit dem Kartoffel- und Rüben nematoden und die Färbung der Parasiten in situ. Nachr.bl. dtsch. Pfl.schutzd., Braunschwg., 3. 1951, 134—136.
- Miles, M.**, Cyst-forming eelworms (*Heterodera*) on cruciferous plants. Nature, London, 167. 1951, 533—534.
- Mintz, G.**, (Host-plants of the root-knot nematode in Israel (Suppl. II).) Hassadeh (hebr.) 31. 1951, 302.
- Nolte, H.-W.**, Zur chemischen Bekämpfung der Nematoden. Dtsch. Landw. 2. 1951, 94—95.
- Okada, T.**, (Note on the biological strain of *Heterodera marioni* (Cornu).) (Preliminary report.) Oyo-Kontyu 7. 1951, 83—84 (Abstr.).
- Peters, B. G.**, Control of plant nematodes. Soc. chem. Ind. Rept. progr. appl. Chem. 36. 1951, 701—704.
- Peters, B. G.**, The term «eelworm-free» soil in plant quarantine regulations. Nature, London, 167. 1951, 368.
- Polivka, J. B.**, Effect of insecticides upon earthworm populations. Ohio J. Sci. 51. 1951, 195—196.
- Saaltink, G. J.**, (Control of nematodes.) Zaadbelangen 5. 1951, 70—71.
- Sasser, J. N.**, The use of gelatin capsules for making single egg-mass inoculations with the root-knot nematode (*Meloidogyne* spp.). Phytopathology 41. 1951, 564.
- Savary, A.**, Les anguillules nuisibles aux plantes de grande culture. Rev. rom. Agric., Vitic., Arboric. 7. 1951, 94—96, 4 fig.
- Savary, A.**, Les nématodes, parasites des plantes. J. hort., Maraich. rom. 13. 1951, 98—100, 107—110.
- Schaerffenberg, B.**, Untersuchungen über die Bedeutung der Enchytraeiden als Nematodenfeinde. Mitt. Biol. Zentralanst. Berlin-Dahlem H. 70. 1951, 55—58.
- Steiner, G., Taylor, A. L., and Cobb, G. S.**, Cyst-forming plant parasitic nematodes and their spread in commerce. [*Heterodera* spp.] Proc. helminth. Soc. Washington 18. 1951, 13—18.
- Stellwaag, F.**, Nematodenbekämpfung mit Schwefelkohlenstoff im Gewächshaus. Gesunde Pflanzen 3. 1951, 151—152.
- Tarjan, A. C.**, An explanation of the revision of the root-knot nematodes, *Meloidogyne* spp. Plant Dis. Repr. 35. 1951, 216.
- Tarjan, A. C., and Ferguson, M. H.**, Association of certain nematodes with yellow tuft of bent grass. Phytopathology 41. 1951, 566.
- Taylor, A. L.**, Chemical treatment of the soil for nematode control. Advn. Agron. 3. 1951, 243—264.
- Thorne, G.**, Diffusion patterns of soil fumigants. [*Nematoden*] Proc. helminth. Soc. Washington 18. 1951, 18—24.
- Uricchio, W. A.**, Some alcohols and hydrocarbons as nematocides. Proc. helminth. Soc. Washington 18. 1951, 136—140.
- Van der Linde, W. J., and Angelopulo, V.**, Rootknot nematodes. Farming South Afr. 26. 1951, p. 162, 168.
- Van der Linde, W. J., Smith, A. J., and Angelopulo, V.**, The control of eelworm. Farming South Afr. 26. 1951, 243—248.
- Volz, P.**, Untersuchungen über die Mikrofauna des Waldbodens. Zool. Jahrb., Abt. Syst., Ökol., Geogr. Tiere, 79. 1951, 514—566.
- Wade, G. C.**, Bulb eelworm. Tasmanian J. Agric. 22. 1951, 136—137.
- Golden nematode (*Heterodera rostochiensis*) control.** U. S. Dept. Agric., Bur. Ent., Plant Quar., 1951? 1 p.
- Status of the plant parasitic nematode situation in California.** Calif. State Dept. 1951, 48 p.

b. Mollusca

- Becker, A.**, Ackerschnecken bedrohen die Wintersaaten. Landw. Ztschr. Nord-Rheinprov. 118. 1951, 996.
- Boettger, C. R.**, Eine afrikanische Schnecke als ein sich ausbreitender Schädling in Pflanzungen warmer Länder. [Achatinidae] Abh. Braunsch. wiss. Ges. 3. 1951, 10—18.
- Brandes, J.**, Verschleppung von Landschnecken durch einen Singvogel. Arch. Molluskenkunde 80. 1951, 85.
- Eyster, W. H.**, Snails and slugs in the garden. Oregon Garden 18. 1951, 38—39.
- Frömming, E.**, Allgemeine Betrachtungen über die Prüfung molluscizider Mittel. Anz. Schäd. kunde 24. 1951, 26—28.
- Frömming, E.**, Neuere Erkenntnisse über unsere Nachtschnecken als Schädlinge. Angew. Bot. 26. 1951, 94—99.

- Frömming, E.**, Unsere Nacktschnecken als Feld- und Vorratsschädlinge. Prakt. Schädli.bekämpfer 3. 1951, 76—77.
- Frömming, E.**, Untersuchungen über die durch Schnecken aufgenommenen Nahrungsstoffe. Schädlingsbekämpfung 43. 1951, 58—59.
- Frömming, E.**, und **Plate, H.-P.**, Die wichtigsten einheimischen Nacktschnecken in ihrer Bedeutung für den Schädlingsbekämpfer. Schädlingsbekämpfung 43. 1951, 104—107, 15 Abb.
- Harrison, T. H.**, The giant snail. Health 1 (n. ser.). 1951, nr. 3, p. 16—18.
- Joubert, G. J.**, and **Walters, S. S.**, The control of snails and slugs. Farming South Afr. 26. 1951, 379—380.
- Klauß, E.**, Ein gefährlicher Feind bedroht unsere jungen Saaten. [Ackerschnecken] Saarl. Bauernbl. 5. 1951, 184.
- Klemm, W.**, Ökologische und biologische Beobachtungen an Schnecken, besonders an Felsenschnecken. Arch. Molluskenkunde 80. 1951, 49—56.
- Lima, A. D. F.**, (Slugs and snails.) [damagers of crops] Seleç. Agr. (portug.) 6. 1951, nr. 61, p. 59—60.
- Plate, H.-P.**, und **Frömming, E.**, Schnecken als Schädlinge im Erwerbsgartenbau und in Vorräten. Mittbl. Landesverb. Gartenbau, Landw. Berlin 1. 1951, 174—175, 1 Abb.
- Riemschneider, R.**, und **Frömming, E.**, Über die Wirkung von Insektiziden auf Gastropoden. Mitt. I. Anz. Schädli.kunde 24. 1951, 106—108.
- Spee, H. V.**, (The snail plague in Holland.) Landbouweekblad 33. 1951, nr. 1688, p. 19, 23.
- Trappmann, W.**, Zur Frage der Schneckenbekämpfung. Angew. Bot. 26. 1951, 99.
- Warmbrunn, K.**, Schnecken! (Mitteilung des Pflanzenschutzamtes.) Württemb. Wochenbl. Landw. 118. 1951, 785.
- La lutte contre les «coïtrons».** [Agriolimax agrestis] Rev. rom. Agric., Vitic., Arboric. 7. 1951, 79.
- Slugs and snails.** Great Brit. Minist. Agric., Fish. Adv. Leaf. 115. 1951, 7 p.
- c. Arthropoda: Acari**
- Alfjew, N.**, Über die Variabilität der Metamorphosen bei Ixoden-Milben. Ent. Umschau (russ.) 31. 1951, H. 3/4.
- Bollaerts, D.**, et **Breny, R.**, Les acariens nuisibles aux matières entreposées. Rev. Agric. 4. 1951, 738—764.
- Clark, P. G.**, Experiments with parathion and TEPP to control red spider. [Tetranychus] Grower, London, 35. 1951, 615, 617.
- Cooreman, J.**, Sur quelques acariens vivant parmi les colonies de coccides au Maroc. Rev. Path. vég. Ent. agric. France 30. 1951, 30—34, 1 fig.
- Cutright, C. R.**, EPN controls European red mite (Paratetranychus pilosus). Ohio Farm, Home Res. 36. 1951, 23—24.
- Dierick, G. F. E. M.**, Some data on the composition of the waxy layer on summer and winter eggs of the European red spider (Metatetranychus ulmi Koch). 9. int. Congr. Ent., Amsterdam, 4. 1951, 3.
- Gabotto, L.**, (Proper control of the European red mite [Paratetranychus pilosus].) Colt., Giorn. Vitic. Ital. 97. 1951, 195—196.
- Gasser, R.**, Zur Kenntnis der gemeinen Spinnmilbe Tetranychus urticae Koch. 1. Mitt. schweiz. ent. Ges. 24. 1951, 217—262.
- Grob, H.**, Beobachtungen über den Populationsverlauf der Spinnmilben in der Westschweiz. Mitt. schweiz. ent. Ges. 24. 1951, 263—278.
- Lochner, E. H. W.**, The control of the red spider (Tetranychus bimaculatus Harvey). Un. South Afr. Dept. Agric. Sci. Bull. 306. 1951, 29 p.
- Pritchard, A. E.**, and **Baker, E. W.**, The false spider mites of California (Acarina: Phytoptipalpidae). Univ. Calif. Publ. Ent. 9. 1951, 1—94, 45 fig.
- Rodriguez, J. G.**, Mineral nutrition of the two-spotted spider mite, Tetranychus bimaculatus. Ann. ent. Soc. Amer. 44. 1951, 511—526.
- Schustrow, A.**, Über die Reaktion der Milbe Ornithodoros lahorensis Neum. und Argas persicus F.-W. auf einige Umweltfaktoren. Ent. Umschau (russ.) 31. 1951, H. 3/4.
- The red spider (Tetranychus urticae).** Agric. Gaz. New South Wales 62. 1951, 95—96.
- d. Arthropoda: Hexapoda**
Allgemeiner Teil
General part — Partie générale
- Antoine, M.**, Notes d'entomologie marocaine. Bull. Soc. Sci. nat. Maroc 31. 1951, 103—119, 4 fig.
- Armstrong, G.**, **Bradbury, F. R.**, and **Standen, H.**, Penetration of the insect cuticle by isomers of benzene hexachloride. [Sitophilus granarius] Nature, London, 167. 1951, 319.
- Babers, F. H.**, and **Pratt jr., J. J.**, Development of insect resistance to insecticides. II. A critical review of the literature up to 1951. U.S. Dept. Agric., Bur. Ent. Plant Quar. E-818. 1951, 45 p.
- Balachowsky, A. S.**, La lutte contre les insectes. Principes. — Méthodes. — Applications. Payot, Paris 1951. 380 p., 57 fig., 8 tab.
- Baynes, E. S. A.**, Report on migrant insects in Ireland for 1950. Irish Naturalist's J. 10. 1951, 134—135.
- Brandt, H.**, Insektenlarven als Bodenschädlinge. Pflanzenschutz, München, 3. 1951, 31—35, 10 Abb.

- Bogusch, P.**, Anwendung der Lichtfallenvorrichtung als Methode zur Erforschung der Zahlenschwankungen bei Insekten. Ent. Umschau (Russ.) 31. 1951, H. 3/4.
- Chandler, S. C.**, Insect carryover for 1952. Illinois State hort. Soc. Trans. 85. 1951, 315—321.
- Chang, P.-I.**, The action of DDT on the golgi bodies in insects nervous tissue. Ann. ent. Soc. Amer. 44. 1951, 311—326, 13 fig.
- Colaco, A. T. F.**, (Man and insects.) [insects as pests and beneficial insects] Bol. Geral Ultramar (Portugal) 27. 1951, nr. 318, p. 357—373.
- Craig, R., and Olson, N. A.**, Rate of circulation of the body fluid in adult *Tenebrio molitor* Linnaeus, *Anastre tristis* (de Geer), and *Murgantia histrionica* (Hahn). Science, Lancaster, 113. 1951, 648—650.
- Crooke, M.**, Entomological notes. Scot. Forestry 5. 1951, 3—5.
- Derragh, R. V.**, Entomological projects in Canada conducted by institutions other than Canada Department of Agriculture. Canad. Dept. Agric., Sci. Serv. (Div. Ent.) 1951, 12 p.
- Eddy, B.**, What good are insects. Outdoors Illustr. 4. 1952, 71—75.
- Finkeglus, A. M.**, (Effective preparation for mealy bug and scale insect control.) Priroda 40. 1951, 71.
- Florey, E.**, Neurohormone und Pharmakologie der Arthropoden. Pflanzenschutzberichte, Wien, 7. 1951, 81—141, 17 Abb.
- Fraenkel, G.**, The nutritional value of green plants to insects. 9. int. Congr. Ent., Amsterdam, 1951, 16—17.
- Grassé, P. P.**, Traité de zoologie. Anatomie, systématique, biologie. Tome X: Insectes supérieurs et hémiptéroïdes. Masson & Cie., Paris 1951 (nr. 2). (9+) 1948 p., 1648 fig., 6 tab. col.
- Grayson, J. M.**, Acidity-alkalinity in the alimentary canal of twenty insect species. Virginia J. Sci. 2 (n. ser.). 1951, 46—59.
- Hall, D. G.**, The insect situation for the 1951 season. Agric. Leaders' Digest 32. 1951, nr. 6, p. 9.
- Hering, E. M.**, Biology of the leaf miners. W. Junk, Den Haag 1951. IV+420 p., 180 fig., 1 tab., 1 tab. col.
- Imms, A. D.**, A general textbook of entomology. Including the anatomy, physiology, development and classification of insects. Methuen & Co., Ltd., London 1951. 8. ed., XII + 727 p., 624 fig.
- Koshantschikow, I. W.**, (Nahrungsspezialisierung und ihre Bedeutung im Leben der Insekten.) (Ent. Übersicht), Moskau u. Leningrad, 31. 1951, 323—335.
- Kuitert, L. C.**, Insect-free work and play; insect repellent materials and their use. Florida Grower 59. 1951, nr. 2, p. 22, 27.
- Lamdan, S.**, Consideraciones generales sobre atractivos y repelentes de insectos. Argent. Inst. Sanid. Veg. [Publ.] Ser. B 7. 1951, nr. 20, 38 p.
- Massee, A. M.**, Notes on some interesting insects observed in 1950. East Malling Res. Stat. Ann. Rept. 38 (1950). 1951, 141—147.
- Metcalf, C. L., and Flint, W. P.**, Destructive and useful insects. Their habits and control. McGraw-Hill-Book Comp., Inc., New York/Toronto/London 1951. 3. ed., XIV + 1071 p., 584 fig.
- Michener, Ch. D., and Michener, M. H.**, American social insects. A book about bees, ants, wasps, and termites. D. van Nostrand Comp., Toronto, New York & London 1951. XIV+267 p., fig.
- Minderhoud, A.**, (The »fixation areas« of insects in relation to plant breeding.) Meded. Dir. Tuinbouw 14. 1951, 61—70.
- Neiswander, R. B.**, Investigations of nursery insects during 1950. Ohio agric. Coll. Ext. Nursery Notes 20. 1951, nr. 3, 8 p.
- Peterson, A.**, Larvae of insects. An introduction to nearctic species. Part II. Coleoptera, Diptera, Neuroptera, Siphonaptera, Mecoptera, Trichoptera. Ohio State Univ., Columbus 1951. V+416 p., 104 tab.
- Pfeffer, A.**, Bibliographie entomologique de la Bohême, de la Moravie et de la Silesie pour les années 1800—1940. Českoslov. Společnost. Ent. Casopis 47. 1950, 231—356.
- Piper, D. E., Hall, R. H., and Wright, G. F.**, Chemistry of insect repellency. Chem. Canada 3. 1951, 97—98 (Abstr.).
- Richards, A. G.**, The integument of Arthropods: The chemical components and their properties, the anatomy and development, and the permeability. G. Cumberlege, Oxford Univ. Pr., London 1951. XVI+411 p., 65 fig.
- Rivnay, E.**, The threshold of reproduction in insects and its application to agriculture. 9. Int. Congr. Ent., Amsterdam, 8. 1951, 9.
- Rohde, G.**, Über Insektenlockstoffe. Dtsch. Landw. 2. 1951, 266—267, 1 Abb.
- Saint Saenz, C.**, Hay que respetar los insectos. Selec. Rur. 6. 1951, 101—104.
- Schenker, P.**, Wie und wo überwintern die Insekten? Schweiz. landw. Ztschr. 79. 1951, 192—196.
- Schmidt, G.**, Allerlei Wissenswertes über die Insekten. Schädlingsbekämpfung 43. 1951, 196—197.
- Skala, H.**, Minen aus Steiermark, gesammelt von Fritz Hoffmann. Ztschr. Wiener ent. Ges. 36. 1951, 119—126.
- Smith, G.**, No sure killer as insects bite into new crop. Grain Prod. News 3. 1951, nr. 7, p. 19—20.

Steinhaus, E. A., Report on diagnoses of diseased insects 1944—1950. *Hilgardia* 20. 1951, 629—676, 23 fig.

Stoeckeler, J. H., and **Heinselman, M. L.**, Deer damage may be reduced by use of repellents. U. S. Forest Serv. Lake States Forest Exp. Stat. Techn. Note 355. 1951, 1 p.

Taylor, L. R., An improved suction trap for insects. *Ann. appl. Biol.* 38. 1951, 582—591, 2 fig., 1 tab.

Thomson, A. G., La energia atómica contra los insectos. [radioactive isotopes as tracers in insecticide research] *Chacra* 22. 1951, nr. 253, p. 82.

Uchida, S., *Gaichu pocket book*. (A pocket book of noxious insects.) v. 1. Sangyo Tosho Kabushiri Gaisha, Tokyo 1951. 236 p.

Wilkinson, T., Department in the College of Agriculture. III. Entomology. *Arkansas Agric.* 28. 1951, nr. 5, p. 9, 17.

Williams, C. B., Comparing the efficiency of insect traps. *Bull. ent. Res.* 42. 1951, 513—517.

Wirth, W. W., Insect evolution in the Hawaiian Islands. *Proc. ent. Soc. Washington* 53. 1951, 166—167.

Wolcott, G. N., The present status of economic entomology in Puerto Rico. *Puerto Rico agric. Exp. Stat. Bull.* 99. 1951, 21 p.

Distribution maps of insect pests. *Commonw. Inst. Ent.*, London, Ser. A, maps nr. 1—12. 1951, each 2 p., 1 fig.

Probleme der angewandten Entomologie. *Festschr.* 80. Geburtstag Geh.rat Prof. Dr. K. Escherich am 18. 9. 1951. Herausgegeben von Dr. W. Zwölfer. P. Parey, Berlin u. Hamburg 1951. 368 S., 80 Abb., 1 Farbtat.

Apterygota

Cass, L. M., Outbreak of a springtail, *Achorutes nivicolus* Fitch, at Ottawa. *Canad. Ent.* 83. 1951, 107.

Maynard, E. A., A monograph of the Collembola or springtail insects of New York State. *Comstock Publ. Comp., Inc.*, Ithaca (New York) 1951. XXII+1+339 p., 4 fig., 33 tab., 4 tab. col.

Salmon, J. T., Keys and bibliography to the collembola. *Victoria Univ. Coll. Zool. Publ.* 8. 1951, 82.

Orthoptera

Allgemeiner Teil

General part — Partie générale

Hincks, W. D., The Dermaptera of the Belgian Congo. P. I. Pygidicranidae. *Ann. Mus. Congo belge*, Tervuren Sci. Zool. 8. 1951, 50 p., fig.

Ramme, W., Zur Systematik, Faunistik und Biologie der Orthopteren von Südost-Europa und Vorderasien. *Akad.-Verl.*, Berlin 1951. 432 S., 134 Abb., 39 Taf., 3 Landkart.

Uvarov, B. P., On the insect fauna of Cyprus. Results of the expedition of 1939 by Harald, Håkan and P. H. Lindberg. IV. Tettigoniidae and Acridiidae. *Finska Vetensk. Soc. Comm. Biol.* 10. 1951, nr. 10, 6 p.

Grasshopper and Mormon cricket (*Anabrus simplex*) control. U. S. Dept. Agric. Bur. Ent., Plant Quar. ? 1951, 2 p.

Blattidae, Tettigoniidae

Bei-Bienko, G., (Untersuchungen an Heuschrecken (Orthoptera, Tettigoniidae) der UdSSR und angrenzenden Länder.) (Arb. allruss. ent. Ges.), Moskau-Leningrad, 43. 1951, 129—170, 34 Abb.

Boettger, C. R., Die Gewächshausheuschrecke (*Tachycines synamoros* Adelung). *Abh. Braunschw. wiss. Ges.* 3. 1951, 19—20.

Brunet, P. C. J., The formation of the ootheca by *Periplaneta americana*. I. The micro-anatomy and histology of the posterior part of the abdomen. *Quart. J. micr. Sci.* 92. 1951, 113—127.

Orser, W. B., and **Brown, A. W. A.**, The effect of insecticides on the heartbeat of *Periplaneta* (americana). *Canad. J. Zool.* 29. 1951, 54—64.

Gryllidae

Chaboussou, F., **Anglade, P.**, und **Berjon**, (Der Kampf gegen die Feinde der Kultur. Die Maulwurfsgrille.) *Engrais* 65. 1951, 25—27.

Chopard, L., A revision of the Australian Grylloidea. *South austr. Mus. Rec.* 9. 1951, 397—533.

D'Ausilio, M., (Experiments on the control of *Gryllus desertus*.) *Not. Mal. Piante* nr. 15. 1951, 81—86.

D'Ausilio, M., Prove sperimentali di lotta contro il »Grillo Nero« (*Gryllus desertus* Pall.). *Not. Mal. Piante* nr. 15. 1951, 81.

Gurney, A. B., The names of the field and house crickets. *J. econ. Ent.* 44. 1951, 611.

Monasterios, R. H., El grillo lapa (*Scapteriscus* sp.?) y su control. *Agric. Venezol.* 15. 1951, nr. 149, p. 43.

Locustidae

Arrieta M., L., y **Coronado Padilla, R.**, La campaña contra la langosta en México y Centroamérica. *Tierra (Mexico)* 6. 1951, 711—713, 740—742.

Barnett, A., Plague of locusts. *Agr. Econ.* 11. 1951, nr. 8, p. 25, 29.

Bodenheimer, F. S., and **Shulov, A.**, Egg-development and diapause in the Moroccan locust (*Dociostaurus maroccanus* Thnb.). *Israel Res. Council Bull.* 1. 1951, 59—75.

Boerger, A., Feldheuschrecken (*Tucuras*) in den La-Plata-Ländern. *Anz. Schäd. kunde* 24. 1951, 117—120, 4 Abb.

- Brett, C. H., Murphey jr., M., and Reinking, R. B.,** Grasshopper toxins: a comparison of eleven materials. *J. Kansas ent. Soc.* 24. 1951, 112—116.
- Burnett, G. F.,** Field observations on the behaviour of the red locust (*Nomadacris septemfasciata* Serville) in the solitary phase. *Anti-Locust Bull.*, London, nr. 8. 1951, 37 p., 8 fig.
- Burnett, G. F.,** Observations on the life-history of the red locust, *Nomadacris septemfasciata* (Serv.) in the solitary phase. *Bull. ent. Res.* 42. 1951, 473—490, 5 fig.
- Burt, E.,** The ability of adult grasshoppers to change colour on burnt ground. *Proc. R. ent. Soc. London* A 26. 1951, 45—48.
- Carbonell, C. S.,** Ensayos de laboratorio comparando la acción tóxica del hexachloruro de benceno y el clordano sobre la langosta invasora *Schistocerca gregaria* (Serville). *Mexico Ofic. Estud. Espec. Fol. Misc.* 4. 1951, 352—361.
- Carpentier, F.,** Sauterelles de Belgique. *Bull. Soc. Ent. Belg. Ann.* 87. 1951, 100—105.
- Chauvin, R.,** Sur les facteurs responsables de l'attraction que manifestent les acridiens pour le son. [*Schistocerca gregaria*] *Off. Nat. Anti-Acridien (franç.) Bull.* 1. 1951, 15—18.
- Chauvin, R., et Mentzer, C.,** Contribution à l'étude des substances naturelles et de synthèse répulsives pour les acridiens. [*Schistocerca gregaria*, *Locusta migratoria*] *Off. Nat. Anti-Acridien (franç.) Bull.* 1. 1951, 5—14.
- Chiaromonte, A.,** (The annual reunion of the Desert Locust Advisory Committee of Nairobi.) *Riv. Agric. sub trop., trop.* 45. 1951, 309—311.
- Chiaromonte, A.,** (The IVth Desert Locust Experts Conference at Cairo.) *Riv. Agric. sub trop., trop.* 45. 1951, 100—104.
- Chiaromonte, A.,** (International conference on control of the «desert locust» organized by the F.A.O. in Rome.) *Riv. Agric. sub trop., trop.* 45. 1951, 392—395.
- Cook, P. M.,** Observations on giant fibres of the nervous system of *Locusta migratoria*. *Quart. J. Micros. Sci.* 92. 1951, 297—305.
- Delmas, R., et Rambier, A.,** Contribution à l'étude de la répartition du criquet marocain (*Dociostaurus maroccanus* Thunb.) en France continentale. *Compt. rend. Acad. Sci., Paris*, 232. 1951, 566—567.
- Dirsh, V. M.,** A new biometrical phase character in locusts. [*Schistocerca gregaria*] *Nature*, London, 167. 1951, 281—282.
- Dirsh, V. M.,** A new injurious indian grasshopper (Orthoptera, Acrididae). [*Indomerus noxius*] *Bull. ent. Res.* 41. 1951, 599—601, 7 fig.
- Dutt, M. K.,** Polyploidy in a short-horned grasshopper (*Oedaleus abruptus*). *Curr. Sci.* 20. 1951, 327—328.
- Ebner, R.,** Über Massenaufreten von Orthopteren oder Heuschrecken in Österreich. *Rev. Étude Calamités* 12. 1950/51, 72—73.
- Ellis, P. E.,** The marching behaviour of hoppers of the African migratory locust (*Locusta migratoria migratorioides* R. et F.) in the laboratory. *Anti-Locust Bull.*, London, 7. 1951, 48 p., 32 fig.
- El Shafie, B. B.,** Locusts in the Sudan. *Sudan Wild Life, Sport* 2. 1951, 22—28.
- Engel, H.,** Orphanina (*Polysarcus*) denticauda Charp. als Schadinsekt in der Baar. *Ztschr. Pfl.bau u. -schutz* 2 (46). 1951, 22—41, 4 Abb., 2 Kart.
- Ferrière, Ch.,** Deux nouveaux parasites des œufs de *Locusta migratoria migratorioides* en Afrique. [*Scelio spp.*] *Bull. Soc. ent. France* 56. 1951, 114—118, 4 fig.
- Gaines, J. C., and Hanna, R. L.,** Grasshopper control. [*Melanoplus differentialis*] *J. econ. Ent.* 44. 1951, 116—117, 1 fig.
- Gaulden, M. E.,** Prolonged visible change produced by heat in the chromatin of living grasshopper neuroblasts. *Genetics* 36. 1951, 551—552 (Abstr.).
- Goidànich, A.,** (*Fabius Maximus* and the grasshoppers.) *Giorn. Agric.* 61. 1951, 123.
- Goodwin, T. W., and Srisukh, S.,** Biochemistry of locusts. 5—7. *Biochem. J.* 48. 1951, 199—203; 49. 1951, 84—87.
- Gunn, D. L.,** Appâts secs au son de blé. [control of locusts] *Off. Nat. Anti-Acridien (franç.) Bull.* 1. 1951, 19—24.
- Gurney, A. B.,** Revision of the North American grasshoppers of the Conalcaea complex. *Proc. U.S. Nat. Mus.*, Washington, 101. 1951, 275—304, 8 fig., 2 tab.
- Hambleton, E. J.,** Cooperative campaign fights Iran's locusts. *Foreign Agric.* 15. 1951, 139—142.
- Handford, R. H., and Putnam, L. G.,** Grasshopper control. [*Melanoplus mexicanus mexicanus* (Sauss.)] *Canada Dept. Agric. Processed Publ. ser. nr. 115.* 1951, 20 p., 8 fig.
- Harrington, N. J., and Koza, R. W.,** Effect of x-radiation on the desoxyribonucleic acid and on the size of grasshopper embryonic nuclei. [*Chortophaga viridifasciata*] *Biol. Bull.* 101. 1951, 138—150.
- Herfs, A.,** Der Schwarmflug von Reticulitermes lucifugus Rosse. (Nach Laborbeobachtungen in der Termitenstation der Farbenfabriken Bayer in Leverkusen.) *Ztschr. angew. Ent.* 33. 1951, 69—77.
- Hopf, H. S.,** The toxicity of certain contact insecticides to the African migratory locust (*Locusta migratoria migratorioides*). *Int. Congr. Crop Prot. Proc.* 2 (1949). 1951, 213—220.
- Hopf, H. S., and Boon, W. R.,** Injection experiments on cholinesterase inhibition of insecticides on locusts. 9. *int. Congr. Ent.*, Amsterdam, 4. 1951, 5.

- Iatsyna, L. T.**, (On the transformation of species in locusts.) Seleksiia i Semenovodstvo (Selection and Seed Growing) 18. 1951, nr. 4, p. 27—31.
- Joly, P.**, Déterminisme endocrine de la pigmentation chez *Locusta migratoria* L. Compt. rend. Soc. Biol. 145. 1951, 1362—1364.
- Joly, P.**, Rôle de l'organe de Brunner chez *Locusta migratoria* (L.). Compt. rend. Soc. Biol. 145. 1951, 1354—1357.
- Joung, R. H.**, (Control of locusts.) Agenzia Romana Note, Inform. Agric. 1951, nr. 18, p. 10.
- Judd, W. W.**, The proventriculus of some locusts of the family Eumastacidae (Orthoptera) with reference to its use in taxonomy. Canad. J. Zool. 29. 1951, 219—223.
- Kennedy, J. S.**, Man against locust. Discovery 12. 1951, 13—14.
- Kennedy, J. S.**, The migration of the desert locust (*Schistocerca gregaria* Forsk.). I—II. Philos. Trans. (R. Soc. London), ser. B (biol. Sci.), 235. 1951, 163—290.
- Knowlton, G. F.**, and **Nielson, M. W.**, Some Utah leafhoppers. Utah Acad. Sci. Arts, Let. Proc. 26 (1948/49). 1951, 134 (Abstr.).
- Kyd, St.**, Chlordane and toxaphene grasshopper control. Oklahoma Ext. Serv. Circ. nr. 483. 1951?, 4 p., 1 fig.
- Lal, K. B.**, The desert locust and its control. [*Schistocerca gregaria*] Agric. Anim. Husb. 1. 1951, nr. 11, p. 23—26.
- Lal, K. B.**, Food plants of the desert locust (*Schistocerca gregaria*). Curr. Sci. 20. 1951, 165—166.
- Le Berre, J. R.**, Action de la température initiale d'incubation sur la diapause embryonnaire du criquet migrateur des Landes (*Locusta migratoria gallica*). Compt. rend. Acad. Sci., Paris, 232. 1951, 1870—1872.
- Liebermann, J.**, Los acridoideos de Corrientes. IDIA (Inform. Invest. agric., Argent.) 4. 1951, nr. 42/43, p. 39—48.
- Liebermann, J.**, Curiosidades históricas acerca de la langosta. Res 19. 1951, 26387—26388.
- Liebermann, J.**, Una nueva especie de *Sinipta* Stal, de Bolivia, con algunas observaciones acerca de la ubicación del género dentro de la subfamilia Acridiinae (Orth. Coelifera, Acrid. Acrid.). Soc. Cient. Argent. An. 152. 1951, 3—17.
- Lloyd, D. C.**, A survey for grasshopper parasites in temperate South America. Canad. Ent. 83. 1951, 213—230, 3 fig., 1 tab. geogr.
- Logothetis, C.**, Formulas insecticidas y en especial las empleadas contra la langosta. Comt. Intemac. Coord. Combate Langosta Méx., Cent. Amér. Bol. Inform. 18. 1951, 18—22.
- Logothetis, C.**, Pruebas preliminares del control de la langosta con aldrin. Mensajero Agr. 57—58. 1951, 33—34, 48—50.
- McLean, D. M.**, Stop grasshopper damage. Seedtime and Harvest 259. 1951, 1.
- Martelli, G. M.**, (The grasshopper in the Marches.) [*Acheta campestris*, *A. bimaculata*, *Gryllus desertus*] Italia agric. 88. 1951, 427—432.
- Mathée, J. J.**, The structure and physiology of the egg of *Locustana pardalina* (Walk.). South Afr. Dept. Agric. Sci. Bull. nr. 316. 1951, 83 p., fig.
- Mishchenko, L. L.**, (Revision of locusts from Parano-carodes I. Bol genus (*Saltatoria*-Orthoptera, Acrididae) and their closest relations.) Dokl. Akad. Nauk USSR. 77. 1951, 517—520.
- Misra, S. D.**, **Nair, K. R.**, and **Roonwal, M. L.**, Dynamics of eye-stripe composition, biometrical ratios and certain other characters during phase transformation in the desert locust (*Schistocerca gregaria*). Curr. Sci. 20. 1951, 164—165.
- Mitchener, A. V.**, Aldrin and dieldrin compared as grasshopper poisons. J. econ. Ent. 44. 1951, 66—70.
- Miyake, T.**, and **Huziwaru, A.**, (Studies on the appearance of macropterous form (long winged form) in brown leaf hopper (*Nilaparvata lugens* Stal). (Preliminary report.)) Oyo-Kontyu 7. 1951, 76 (Abstr.).
- Moore, H. W.**, and **Riegert, P. W.**, Saskatchewan grasshopper forecast, 1950. Saskatchewan Dept. Agr., Regina, 46th Ann. Rept. 1951, 155—157.
- Moore, L. H.**, Grasshoppers pose threat again in certain areas of New Mexico. New Mexico agric. Coll. Ext. News 31. 1951, nr. 5, p. 5.
- Moretti, G.**, (New means of controlling grasshoppers.) Humus (ital.) 7. 1951, nr. 2, p. 31—32.
- Morstatt, H.**, Die Wanderheuschreckenbekämpfung als ein Problem von internationaler Bedeutung. Naturwiss. Rundschau 4. 1951, 211—213, 4 Abb.
- Mossop, M. C.**, A patch of red locusts (*Nomadacris septemfasciata*) persisting in Southern Rhodesia. Rhodesia agric. J. 48. 1951, 327—329.
- Okay, S.**, Formation of green pigment in grasshoppers. Nature, London, 168. 1951, 254.
- Otanes, F. Q.**, The migratory locust (*Locusta migratoria manilensis*) problem in the Philippines and its permanent solution. Philipp. Assoc. Agric. agric. Yearb. 1949/50. 1951, 250—257.
- Patel, G. A.**, Locusts, their activity and control, with particular reference to Bombay State. [*Schistocerca gregaria*, *Locusta migratoria*, *Patanga succincta* spp.] Poona agric. Coll. Mag. 41. 1951, 256—269.
- Perdeck, A. C.**, (Experiences with grasshoppers (Acrididae.)) Levende Nat. 54. 1951, 165—172.
- Pruthi, H. S.**, The desert locust (*Schistocerca gregaria*) cycle of 1940—46 in India: its progress and control. Indian J. Ent. 12 (1950). 1951, 67—98.

- Pruthi, H. S.**, Locusts and grasshoppers. *Curr. Sci.* 20. 1951, 88—89.
- Rainey, R. C.**, Weather and the movements of locust (*Schistocerca gregaria*) swarms: a new hypothesis. *Nature*, London, 168. 1951, 1057—1060.
- Rainey, R. C.**, and **Waloff, Z.**, Flying locusts and convection currents. [*Schistocerca gregaria*] *Anti-Locust Bull.*, London, nr. 9. 1951, 51—70.
- Ripley, S. H.**, and **Ewer, D. W.**, Peripheral inhibition in the locust. [*Locusta migratoria*] *Nature*, London, 167. 1951, 1066—1067.
- Roblot, M.**, Le criquet nomade (*Nomadacris septemfasciata* Serv.) au Soudan français. *Agron. trop.* 6. 1951, 565—605.
- Roblot, M.**, Sur la présence du *Schistocerca gregaria* Forsk. dans l'aire grégarigène du criquet migrateur africain de juillet à octobre 1950. *Compt. rend. Acad. Agric. France* 37. 1951, 239—240.
- Roehrich, R.**, Étude sur le régime alimentaire du criquet migrateur dans les Landes de Gascogne (*Locusta migratoria gallica* Rem.). *Ann. Épiphyties* (Ann. Inst. nat. Rech. agron. sér. C), Paris, 2. 1951, 496—508, 8 fig.
- Roehrich, R.**, Parasites et prédateurs du criquet migrateur (*Locusta migratoria gallica* Rem.) dans les Landes de Gascogne de 1945 à 1950. *Ann. Épiphyties* (Ann. Inst. nat. Rech. agron. sér. C), Paris, 2. 1951, 479—495, 7 fig.
- Roney, J. N.**, Control grasshoppers on crop land. *Arizona agric. Coll. Ext. Circ.* 189. 1951, 4 p.
- Roney, J. N.**, Grasshopper control on Arizona ranges. *Arizona agric. Coll. Ext. Circ.* 188. 1951, 4 p.
- Séguy, E.**, Un nouveau calliphoride (Dipt.) parasite du criquet migrateur. [*Sarcophaga mezzadrii*] *Rev. franç. Ent.*, Paris, 1951, 119—121.
- Seravalli C., F.**, El combate de la langosta. *Col. Ingen. Agron. An. (Costa Rica)* 4. 1951, 28—35.
- Shotwell, R. L.**, Controlling grasshoppers in alfalfa with chlordane and toxaphene sprays. *U.S. Dept. Agric. Bur. Ent., Plant Quar.* E—819. 1951, 19 p.
- Slifer, E. H.**, Some unusual structures in *Locusta migratoria migratorioides* and their probable function as thermoreceptors. *Proc. R. Soc. London, ser. B (Biol. Sci.)*, 138. 1951, 414—437.
- Smit, C. J. B.**, Field and laboratory experiments with insecticides against locust hoppers. [*Locusta migratoria migratorioides*, *Locustana pardalina*] *Dept. Agric. South Afr. Sci. Bull.* nr. 304. 1951, [2+] 78 p.
- Smith, D. S.**, and **Norhecott, F. E.**, The effects on the grasshopper, *Melanoplus mexicanus mexicanus* (Sauss.) (Orthoptera: Acrididae), of varying the nitrogen content in its food plant. *Canad. J. Zool.* 29. 1951, 297—304.
- Stephenson, P. R.**, Report of the desert locust survey, 1st October, 1948 — 30th September, 1950. [*Schistocerca gregaria*] *East Afr. High Comm.*, Nairobi 1951. 45 p., 13 fig., 2 tab. geogr.
- Thomson, A. G.**, Fighting the locusts; progress in chemical research. *Agr. Econ.* 2. 1951, nr. 9, p. 14, 16.
- Thomson, A. G.**, New phase in war on locusts. *New Commonwealth* 22. 1951, 14.
- Thormley, H. F.**, and **Knowlton, G. F.**, Grasshopper control. *Utah State agric. Coll. Ext. Bull.* 239. 1951, 2 p.
- Uvarov, B. P.**, Locust research and control 1929—1950. *Colon. Res. Publ.*, London, nr. 10. 1951, IV+67 p., 3 tab. geogr.
- Uvarov, B. P.**, Recent advances in locust research. *World Crops* 3. 1951, 441—445.
- Uvarov, B. P.**, Some synonymy in the genus *Locusta* Linné. *Off. Nat. Anti-Acrdien (franç.) Bull.* 1. 1951, 1—4.
- Uvarov, B. P.**, **Chapman, E.**, **Waloff, N.**, and **Waterston, A. R.**, Observations on the Moroccan locust (*Dociostaurus maroccanus* Thunberg) in Cyprus, 1950. *Anti-Locust Bull.*, London, nr. 10. 1951, [4+] 52 p., 2 fig., 5 tab.
- Vaught, K.**, Hot foot for grasshopper troubles. *Better Farming, better Living Autumn* 1951, 13.
- Wakeland, C.**, Changing problems and procedures in grasshopper and mormon cricket control. [*Melanoplus* spp., *Dissosteira longipennis*] *J. econ. Ent.* 44. 1951, 76—82.
- Wakeland, C.**, and **Parker, J. R.**, Grasshopper control with aldrin, chlordane, and toxaphene. [supersedes EC—11, Chlordane, toxaphene for grasshopper control] *U. S. Dept. Agric. PA—149.* 1951, 12 p.
- Waloff, Z.**, and **Rainey, R. C.**, Field studies on factors affecting the displacements of desert locust swarms in eastern Africa. — Flying locusts and convection currents. *Anti-Locust Bull.*, London, 9. 1951, 72 p., 9 fig.
- Wbley, D. P.**, Blood-cell counts in the African migratory locust (*Locusta migratoria migratorioides* Reiche et Fairmaire). *R. ent. Soc. London, Proc. Ser. A (Gen. Ent.)*, 26. 1951, 25—37.
- Weih, A. S.**, Untersuchungen über das Wechselsingen (Anaphonie) und über das angeborene Lautschema einiger Feldheuschrecken. *Ztschr. Tierpsychol.* 8. 1951, 1—41.
- White, M. J. D.**, Structural heterozygosity in natural populations of the grasshopper *Trimerotropis sparsa*. *Evolution* 5. 1951, 376—394.
- White, M. J. D.**, Supernumerary chromosomes in the trimerotropine grasshoppers (*Trimerotropis*). *Genetics* 36. 1951, 582—583 (Abstr.).

- White, M. J. D., and Nickerson, N. H.,** Structural heterozygosity in a very rare species of grasshopper (*Pedioscirtetes nevadensis*). *Amer. Nat.* 85. 1951, 239—246.
- York, G. T.,** Oviposition by the two-striped grasshopper in a strip-farming area. [*Melanoplus bivittatus*] *J. econ. Ent.* 44. 1951, 119—120.
- York, G. T., and Prescott, H. W.,** Determination of grasshopper control from insecticide treatments in fieldplot tests. *J. econ. Ent.* 44. 1951, 427—428.
- Znamenskii, V. V.,** (Data on the ecology of asiatic locust (*Locusta migratoria*) egg-layer.) *Zool. Zhurn.* (russ.) 30. 1951, 140—142.
- Grasshopper infestation expected in 1952.** U. S. Bur. Ent., *Plant Quar.* 1951, Map.
- Heuschreckenplage in Indien.** *Bull. ind. Gesandtsch., Bonn*, 1. 1951, Nr. 13.
- Minnesota 1952 grasshopper infestation** (based on 1951 adult and egg surveys). *Minnesota Off. State Ent. Circ.* 166. 1951, 1 p.
- Montana State entomologist:** Grasshopper control handbook for 1951. [Aldrin] *Bugs* 4. 1951, 17—32.
- Forficulidae**
- Henson, H.,** The wings of *Forficula auricularia* Linn. (Dermaptera). *Proc. R. ent. Soc. London, Ser. A (Gen. Ent.)*, 26. 1951, 135—142.
- Knowlton, G. F.,** Earwig (*Forficula auricularia*) control. *Utah State agric. Coll. Ext. Bull.* 217. 1951, 2 p.
- Lhoste, J.,** Sur la présence de ganglions épipharyngiens chez *Forficula auricularia* L. *Compt. rend. Acad. Sci., Paris*, 232. 1951, 264—266.
- Isoptera**
- Coaton, W. G. H.,** Termites and their control in cultivated areas in South Africa. *South Afr. Dept. Agric. Bull.* nr. 305. 1951, 28 p., 13 fig.
- Delaplane jr., W. K.,** New chemicals we've tried for termite control. [chlordane] *Pest Control* 19. 1951, nr. 9, p. 31—32.
- Fennah, R. G.,** Termites: their life history and measures for their control. *J. agric. Soc. Trinidad and Tobago* 51. 1951, 97—113.
- Feytaud, J.,** Sur l'emploi de mortiers toxiques contre les termites des murs. *Compt. rend. Acad. Agric. France* 37. 1951, 223—225.
- Geigy, R., and Ernst, E.,** Einfluß der Luftfeuchtigkeit auf die Lebensdauer verschiedener Termitenarten im Hungerversuch. *Rev. suisse Zool.* 58. 1951, 414—420.
- Geyer, J. W. C.,** The reproductive organs of certain termites, with notes on the hermaphrodites of neoterms. *South Afr. Dept. Agric., Ent. Mem.* Vol. 2. 1951, Pt. 9, p. 233—325, tab.
- Gößwald, K.,** Termiten! Umschau 51. 1951, 587—589, 3 Abb.
- Goetsch, W.,** Ameisen- und Termiten-Studien in Ischia, Capri und Neapel. *Zool. Jahrb., Abt. Syst., Ökol., Geogr. Tiere*, 80. 1951, 64—98.
- Grassé, P. P.,** La régulation sociale chez les Isoptères et les Hyménoptères. *Coll. int., Paris*, 34. 1952, 323—330.
- Grassé, P. P., et Hollande, A.,** Recherches sur les symbiotes des termites *Hodotermitidae* nord-africains. *Ann. Sci. Nat. Zool., Biol. Anim.* 13 (ser. 11). 1951, 1—32.
- Grassé, P. P., et Noirot, Ch.,** La sociotomie: migration et fragmentation de la termitière chez les Anoplotermes et les Trinervitermes. *Behaviour, Leiden*, 3. 1951, 146—166.
- Griffin, F. J.,** A bibliography of the Isoptera (termites) 1758—1949. *J. Soc. Bibl. nat. Hist.* 2. 1951, 261—368.
- Harris, W. V.,** Further records of East African termites. *Proc. R. ent. Soc. London B* 20. 1951, 25—28.
- Harris, W. V.,** The ubiquitous termite. *East afr. agric. J.* 17. 1951, 60—62.
- Heim, R., et Buchli, H.,** Un champignon (*Atennopsis gallica*) parasite du termite de Saintonge (*Reticulitermes* sp.). *Compt. rend. Acad. Sci., Paris*, 232. 1951, 277—280.
- Heim, R., Buchli, H., Duché, J., et Laboureur, P.,** Mémoire sur l'Antennopsis, ectoparasite du termite de Saintonge. *Bull. Soc. mycol. France* 67. 1951, 336—364, 10 fig., 4 tab.
- Howell, J. L.,** Importance of soils in termite control. (Extr.) *Pest Control* 19. 1951, nr. 11, p. 31—32; nr. 12, p. 26.
- Ionescu, M.,** Fauna Republicii populare Române. *Insecta. Vol. VIII, Fasc. 2: Isoptera. Acad. Republ. pop. Rom., Bucureşti*, 1951, 22 p., 10 fig.
- Kemp, P. B.,** The susceptibility of wood to termites attack. *East afr. agric. J.* 16. 1951, 122—123.
- Knowlton, G. F., and Coulam, J.,** Termite control. *Utah State agric. Coll. Ext. Bull.* 223. 1951, 2 p.
- Kuitert, L. C.,** Precautions against termites. *Florida Grower* 59. 1951, nr. 2, p. 16, 40.
- Lüscher, M.,** Beobachtungen über die Koloniegründung bei verschiedenen afrikanischen Termitenarten. *Acta tropica* 8. 1951, 36—43, 3 Abb.
- Lüscher, M.,** Termiten und Holzschutz gegen Termiten. *Holz* 5. 1951, 10—12.

Lüscher, M., Über die Determination der Ersatzgeschlechtstiere bei der Termiten *Kaloterme flavicollis* Fabr. (Vorläufige Mitt.) Rev. suisse Zool. 58. 1951, 404—408.

Noirot, Ch., Le développement des neutes chez les termites supérieurs (Termitidae). IV. Le sexe des diverses catégories de neutes. Compt. rend. Acad. Sci., Paris, 233. 1951, 447—448.

Noyes, H., Peculiarities of the termite to satisfy desire for honeydew; possibilities for research in the insect world. Farmer's Weekly, Bloemfontein, 82. 1951, 59.

Packard jr., H. R., The control of dry-wood termites (Kaloterme) in Southern California. Pest Control 19. 1951, nr. 2, p. 9—10.

Parks, T. H., Termites and insects mistaken for them. Ohio agric. Coll. Ext. Bull. 143 (rev.). 1951, 11 p.

Schmidt, H., Exportindustrie und Termitensicherung. Norddtsch. Holzw. 5. 1951, nr. 52, p. 6.

Snyder, T. E., »Roadblocks« for sub[terranean termite] control. Pest Control 19. 1951, nr. 2, p. 28.

Soule, G., Termites can be defeated. Pop. Sci. Monthly 158. 1951, nr. 3, p. 227—231.

Tirelli, M., (Observations on termite damage in Italy and control methods.) Riv. Fitosan. 2. 1951, nr. 4, p. 6—13.

Weidner, H., Weitere Mitteilungen über das Auftreten der Termiten *Reticulitermes flavipes* (Kollar) in Hamburg. Ztschr. hyg. Zool. 39. 1951, 259—265, 6 Abb.

Cryptogils-xylophènes pour le traitement des bois contre les termites. Soc. Xylochimie, Lyon, 1951, 28 p.

Decay and termite damage in houses. U. S. Dept. Agric. Farmer's Bull. nr. 1993. 1951, 26 p.

Thysanoptera

Balachowsky, A.-S., Note sur quelques Thysanoptera récoltés dans le Tassili N'Ajers (Sahara central) et dans le Sahara marocain océanique. Rev. Path. vég. Ent. agric. France 30. 1951, 159—160.

Jachontow, W. W., (Zwei neue Thrips-Arten (Thysanoptera) aus Iran.) [Thrips pistaciae, Th. iranicus] (Ent. Übersicht), Moskau u. Leningrad, 31. 1951, 515—516.

Mallo, R. G., Pueden combatirse los »trips« que perjudican a las plantas. Mundo Agr. 3. 1951, 98—99.

Oettingen, H. v., Geographische und ökologische Analyse der Thysanopterenfauna der östlichen Gebiete Mitteleuropas. Beitr. Ent., Berlin, 1. 1951, 44—59, 3 Abb.

Oettingen, H. v., Die Thysanopterenfauna des Harzes. Beitr. Ent., Berlin, 1. 1951, 140—186, 4 Abb.

Pelikán, J., Další poznámky o našich třásněnkách. (Additional notes on czechoslovak Thysanoptera.) Ent. Listy (Folia ent.), Brno, 14. 1951, 158—161.

Pelikán, J., Nová třásněnka rodu *Taeniothrips* A. S. (A new *Taeniothrips* A. S. from Czechoslovakia. (Thysanoptera.) [Taeniothrips moravicus] Ent. Listy (Folia ent.), Brno, 14. 1951, 59—75, 3 fig.

Priesner, H., Zwei neue Thysanopteren aus der Türkei. [Thrips phytolaccae, Haplothrips blunckii] Ztschr. Pfl.krankh. 58. 1951, 256—258, 1 Abb.

Spiller, D., Notes on Thysanoptera. New Zealand J. Sci. Techn. (B) 33. 1951, 142—143.

Heteroptera

Armand, J. E., The squash bug. [Anasa tristis] Canada Dept. Agric. Proc. Publ. Ser. nr. 102. 1951, 4 p., 1 fig.

Bollow, H., Schnabelkerfe (Hemipteroidea). Naturwiss. Grundbegr. landbaul. Praxis, München, Zool. Reihe Nr. 13. 1951, 6 S., 2 Abb.

Flemion, F., Weed, R. M., and Miller, L. P., Deposition of P₃₂ into host tissue through the oral secretions of *Lygus oblineatus*. Contrib. Boyce Thompson Inst. 16. 1951, 285—294, 2 fig.

Knowlton, G. F., Boxelder bug damage to crops. [Leptocoris trivittatus] J. econ. Ent. 44. 1951, 994.

Knowlton, G. F., Lieberman, F. V., and Sorenson, C. J., Lygus bug control for alfalfa seed production. Utah State agric. Coll. Ext. Bull. 221. 1951, 2 p.

Niswander, R. E., Life history and respiration of the milkweed bug *Oncopeltus fasciatus* (Dallas). Ohio J. Sci. 51. 1951, 27—33.

Novak, P., i Wagner, E., Prilog poznavanju faune Hemiptera Dalmacije (Hemiptera — Heteroptera). (Beitrag zur Kenntnis der Hemipteren-Fauna Dalmatiens (Hem.-Heteroptera).) Godišnjak biol. Inst. Sarajevu (Jahrb. biol. Inst. Sarajevo) 4. 1951, 59—80.

Packard, C. M., Luginbill jr., P., and Benton, C., How to fight the chinch bug (Blissus leucopterus). U. S. Dept. Agric. Farmers' Bull. 1780 (rev.). 1951, 21 p.

Schapiro, I. D., (Die Rolle der Nahrungspflanzen in der Biologie der Kohlwanzen der Gattung Eurydema Lap. (Hemiptera, Pentatomidae). (Ent. Übersicht), Moskau u. Leningrad, 31. 1951, 361—373, 5 Abb.

Schenk, P. J., (Plant bugs (Capsidae).) Zaadwereld 15. 1951, 289.

Servadei, A., Nota sull'Heterogaster urticae F. e sul genere Heterogaster Schill. (Hemiptera, Heteroptera, Mydochidae). »Redia«, Giorn. Ent., Firenze, 36 (ser. 2). 1951, 171—220, 27 fig., 2 tab.

Tamanini, L., (Physical characteristics which distinguish *Lygus basalis* Costa from *L. kalmi* and *L. campestris* L. (Hemipt. Heter. Miridae).) Napoli Univ. Ist., Mus. Zool., Ann. 3. 1951, nr. 4, 18 p.

Woodroffe, G. E., and Southgate, B. J., An apparent association between certain Pentatomid and Coreid bugs and the seeds of their food plants. Ent. Mon. Mag. 87. 1951, 308.

Woolley, T. A., The circulatory system of the box elder bug *Leptocoris trivittatus* (Say). Amer. Midland Nat. 46. 1951, 634—639.

Zia-Ud-Din, Studies on the biology and control of *Lygus oblineatus* (Say). Michigan Univ. Microfilm Abs. 11. 1951, 500—502.

The **harlequin bug** (*Dindymus versicolor*). Agric. Gaz. New South Wales 62. 1951, 599—600.

Homoptera

Baggiolini, M., Geier, P., et Mathys, G., Contaminabilité par le Pou de San-José (*Quadraspidiotus perniciosus* Comst.) des végétaux ligneux les plus communs en Suisse. Landw. Jahrb. Schweiz 65. 1951, 931—937.

Balachowsky, A. S., Sur un *Centrocooccus* (Coccoidea-Pseudococcini) nouveau du Maroc oriental. Bull. Soc. Sci. nat. Maroc 31. 1951, 277—285, 1 fig.

Balachowsky, A. S., Les Cochenilles de France; d'Europe, du Nord de l'Afrique et du Bassin méditerranéen. VI. Monographie des Coccoidea; Diaspidinae (troisième partie), Aspidiotini (fin). Hermann & Cie, Paris 1951. Vol. 1, 162 p., 41 tab.

Balachowsky, A. S., et Kaussari, M., Coccoidea-Diaspidinae nouveaux du Sud-Est de l'Iran. Bull. Soc. Fouad I^{er} Ent., Cairo, 35 (44). 1951, 1—15, 4 tab.

Bollow, H., Pflanzensauger (Homoptera). I. Zikaden (Cicadina). IV. Schildläuse (Coccina). Naturwiss. Grundbegr. landbaul. Praxis, München, Zool. R. Nr. 14. 1951, 4 S., 2 Abb.; Nr. 17. 1951, 6 S., 2 Abb.

Börner, C., Kleiner Beitrag zur Kenntnis von *Myzodes persicae* Sulzer. Nachr.bl. dtsh. Pfl.schutzd., Berlin, NF. 5. 1951, 101—111, 3 Abb., 1 Taf.

Börner, C., Welche Pflanzen besiedelt die Schwarze gefleckte Pfirsichlaus *Appelia schwartzi* Börner? Nachr.bl. dtsh. Pfl.schutzd., Berlin, 5. 1951, 148—151.

Bonnemaison, L., Contribution à l'étude des facteurs provoquant l'apparition des formes ailées et sexuées chez les Aphidinae. Ann. Épiphyties (Ann. Inst. nat. Rech. agron. sér. C), Paris, 2. 1951, 1—380, 78 fig.

Bonnemaison, L., Remarques sur les migrations chez les Aphididae. 9. int. Congr. Ent., Amsterdam, 1951, VI, 1.

Boratynski, K. L., On the biology of some British Coccoidea. [*Pseudococcus paludinus*, *Eriococcus* sp., *Matsucoccus pini*, *Eriopeltis festucae*] Proc. R. ent. Soc. London A 26. 1951, 43—44.

Brandt, H., Pflanzensauger (Homoptera). II. Blattflöhe (Psyllina) und Mottenschildläuse (Aleurodina). III. Blattläuse (Aphidoidea). Naturwiss. Grundbegr. landbaul. Praxis, München, Zool. R. Nr. 15. 1951, 4 S., 2 Abb.; Nr. 16. 1951, 8 S., 2 Abb.

Broadbent, L., Aphid-excretion. Proc. R. ent. Soc. London A 26. 1951, 97—103.

Caballero V., C., Notas biológicas y económicas sobre la conchuela negra (*Saissetia oleae*). Chile Dir. Gen. Agr. agr. Techn. 11. 1951, 54—63.

Caldwell, J. S., and Martorell, L. F., New leafhoppers from Puerto Rico (Cicadellidae: Homoptera). [*Dikraneura althaeae* sp. nov., *Protalebra alliodorae*] Puerto Rico Univ. J. Agric. 35. 1951, 88—89.

Coffman, C., Spittle bug control. [Cercopidae] Co-op Connector 13. 1951, nr. 4, p. 2—3.

Da Costa Lima, A., Uma nova espécie de *Aonidiella* (Homoptera, Coccoidea, Diaspididae). [A. *araucariae*] Arq. Inst. biol., São Paulo, 20. 1951, 173—176, 1 fig., 2 tab.

Dahms, R. G., Preventing greenbug outbreaks. [Toxoptera graminum] U. S. Dept. Agric. Leaf. nr. 309. 1951, 8 p., 5 fig.

Delong, D. M., and Ruppel, R. F., A new species of bizarre Mexican leafhopper belonging to the Cicadellinae (Homoptera-Cicadellidae). Ohio J. Sci. 51. 1951, 36.

Duwell, H., Aphid colouring matters. [from *Tubero-lachnus salignus* and *Myzus cerasi*] Cambridge Univ. Abs. Diss. 1949/50. 1951, 179—180.

Eastop, V. F., Diurnal variation in the aerial density of Aphididae. Proc. R. ent. Soc. London A 26. 1951, 129—134, 1 fig.

Eastop, V. F., A list of aphids collected in Berkshire. Entomologist 84. 1951, 107—112.

Essig, E. O., Two rare and closely related aphids from Australia and China (Homoptera, Aphididae). Ann. ent. Soc. Amer. 44. 1951, 189—192.

Evans, J. W., Some notes on the classification of leafhoppers (Jassoidea, Homoptera) with special reference to the Nearctic fauna. Finska Vetensk. Soc. Comm. Biol. 12. 1951, nr. 3, 11 p.

Fidler, J. H., *Aphis vaccinii* (Börner) (Homoptera: Aphididae) new to the British Isles. A redescription and comparison with *Aphis callunae* Theobald. Proc. R. ent. Soc. London (ser. B.: Taxonomy) 20. 1951, 37—43.

Heinze, K., Die Bedeutung der Blattläuse als Pflanzenschädlinge und ihre Bekämpfung. Schädlingsbekämpfung 43. 1951, 132—138, 12 Abb.

Heinze, K., Wirtschaftlich wichtige Blattläuse und ihre Bekämpfung. Flugbl. Biol. Bundesanst. Braunschweig. C 11. 1951, 12 S.

Hille Ris Lambers, D., Bladuisproblemen. (Problems about aphids.) TNO — Nieuws (s-Gravenhage) 6. 1951, 233—237.

- Honda, T.**, (Tests of some insecticides to *Myzus persicae* Sulzer. (Preliminary report.)) Oyo-Kontyu 7. 1951, 85 (Abstr.).
- Hottes, F. C.**, A method for taking aphids in flight. Pan-Pacific Ent. 27. 1951, 190.
- Hottes, F. C.**, and **Wehrle, W. P.**, Arizona Aphididae. Biol. Soc. Washington Proc. 64. 1951, 47—54.
- Jensen, D. D.**, The North American species of *Psylla* from willow, with descriptions of new species and notes on biology (Homoptera: Psyllidae). Hilgardia 20. 1951, 299—324, 5 fig.
- Johnson, A. W.**, **Quayle, J. R.**, **Robinson, T. S.**, **Sheppard N.**, and **Todd, A. R.**, Colouring matters of the Aphididae. V. Infra-red spectra. Chem. Soc. J. Oct. 1951, 2633—2638.
- Johnson, C. G.**, and **Eastop, V. F.**, Aphids captured in a Rothamsted suction trap, 5 Ft. above ground level, from June to November 1947. Proc. R. ent. Soc. London (A) 26. 1951, 17—24.
- Kennedy, J. S.**, Host plant selection in Aphididae. 9. int. Congr. Ent., Amsterdam, 1951, 17—18.
- Knoll, D. J.**, Additions to list of Ohio leafhoppers (Homoptera: Cicadellidae). Ohio J. Sci. 51. 1951, 16.
- Knoll, D. J.**, Eight new leafhoppers from the United States (Homoptera: Cicadellidae). [new species in *Erythroneura*, *Athysanella*, *Orocastus* and *Laevicephalus*] Ohio J. Sci. 51. 1951, 179—183.
- Knoll, D. J.**, Sixteen new leafhoppers and notes (Homoptera: Cicadellidae). Ohio J. Sci. 51. 1951, 169—178.
- Lambers, D. H. R.**, (Aphid problems.) T. N. O.-Nieuws 6. 1951, 233—237.
- Linnavuori, R.**, Hemipterological observations. [Psam-motettix and Empoasca] Suomen Hyönteistieteenlinen Aikakausk. 17. 1951, 51—65.
- McDonald, H.**, The greenbug (*Toxoptera graminum*) in Saskatchewan. In: Saskatchewan Univ. Lect., Addr. Farm Week, 8.—11. 1. 1951, p. 26—28.
- McKenzie, H. L.**, Scale studies. VII. Miscellaneous diaspid scale studies (Homoptera; Coccoidea; Diaspididae). [on the genus *Hemiberlesia*] Calif. Dept. Agric. Bull. 40. 1951, 80—82.
- Müller, H. J.**, Über das Schlüpfen der Zikaden (Homoptera auchenorhyncha) aus dem Ei. (2. Beitrag zur Biologie mitteleuropäischer Zikaden.) E. Schweizerbart'sche Verlagsbuchhandl. (E. Nägele), Stuttgart 1951. 40 S., 14 Taf. (Zoologica Bd. 37, 4. Lfg., H. 103.)
- Müller, H. J.**, Über die Bedeutung der Winterwirte für die Bekämpfung der Schwarzen Bohnenlaus (*Doralis fabae* Scop.). Nachr.bl. dtsh. Pflschutzd., Berlin, NF. 5. 1951, 111—115, 1 Abb.
- Nakada, M.**, (Controlling conditions of fall planthopper in Chiba Pre.) Jap. J. Plant Prot. 20. 1951, 60—63.
- Newschij, W. P.**, (Zur Kenntnis der Blattlausfauna (Homoptera, Aphidoidea) von Südkasachstan.) (Arb. allruss. ent. Ges.), Moskau-Leningrad, 43. 1951, 37—64.
- Nikol'skaja, M. N.**, (Eine neue *Gonatocerus*-Gattung (Hym. Mymaridae) aus Eiern der Zikade *Cicadella viridis* L.) (Ent. Übersicht), Moskau u. Leningrad, 31. 1951, 575—576, 1 Abb.
- Nowak, W.**, Beobachtungen über die sog. Fundatrices-Formen der Grünen Pflirsichblattlaus (Myzodes persicae Sulzer). Pflanzenschutz, München, 3. 1951, 21—22, 2 Abb.
- Nowak, W.**, Über das Auftreten der Grünen Pflirsichblattlaus auf Kreuzblütlern. Pflanzenschutz, München, 3. 1951, 22, 1 Abb.
- Nuorteva, P.**, Experimentelle Untersuchungen über die Nährpflanzenwahl einer oligophagen Zikade, *Aphrophora alni* (L.) (Hom. Cercopidae). Ann. ent. fenn. 17 (1950). 1951, 11—17.
- Rao, V. P.**, Iceryine scale insects recorded from the Orient. Indian J. Ent. 12 (1950). 1951, 39—66.
- Rath, A.**, Aus dem Leben der Schildläuse. Illustr. Flora 74. 1951, 114—115.
- Remaudière, G.**, Contribution à l'étude des Aphidoidea de la faune française. Aphididae: Dactynotinae et Myzinae (a). Rev. Path. vég. Ent. agric. France 30. 1951, 125—144, 1 fig.
- Rosenstiel, R. G.**, Control of the meadow spittlebug (*Philaenus leucophthalmus*) in Oregon. Oregon agric. Exp. Stat. Circ. Inform. 505. 1951, 4 p.
- Samokhvalova, G. V.**, (Obtaining hereditary variations in aphids (*Neomyzus circumflexus*) by a change of food plants.) Zhurn. Obshch. Biol. 12. 1951, 176—191.
- Schenk, P. J.**, Spittle bugs (Cercopidae). [Aphrophora spp.] Cult. en Handel 17. 1951, 283—285.
- Stager, R.**, Zikaden als Nahrungslieferanten der Ameisen. Leben u. Umwelt 7. 1951, 268—272.
- Suenaga, H.**, and **Yamamoto, S.**, (On the thermal reactions of larvae and adults of *Sejiro*- and *Tobiuro*-leafhoppers.) Kyushu Noji Shikinjō 8. 1951, 109—110.
- Takahashi, R.**, Descriptions of six interesting species of Aleyrodidae from Malaya (Homoptera). Kontyû, Tokyo, 19. 1951, 1—8, 6 fig.
- Takahashi, R.**, Some mealy bugs (Pseudococcidae, Homoptera) from the Malay Peninsula. Indian J. Ent. 12 (1950). 1951, 1—22.
- Takahashi, R.**, Some species of Aleyrodidae (Homoptera) from Madagascar with a species from Mauritius. Mém. Inst. sci. Madagascar 6 (sér. A). 1951, 353—385, 19 fig.
- Takahashi, R.**, Some species of Coccidae from the Riou Islands. Part I—II (Homoptera). Insecta Matsumurana (Japan) 17. 1950, 65—72, 5 fig.; 1951, 103—112, 9 fig.

Unterstenhöfer, G., Neue Entwicklungsmöglichkeit in der Blattlausbekämpfung mit chemischen Mitteln. Ztschr. Pfl.krankh. 58. 1951, 268—275, 2 Abb.

Wallis, R. L., Potato psyllid selection of host plants. [Paratrioza cockerelli] J. econ. Ent. 44. 1951, 815—817.

Wood-Baker, C. S., Records of fourteen European aphids (Hem.). Ent. Mon. Mag. 87. 1951, 311—312.

Ziegler, O., Die Bedeutung aerologischer Faktoren für die Verbreitung der Insekten, namentlich der Grünen Pfirsichblattlaus, im süddeutschen Berg- u. Hügelland. Pflanzenschutz, München, 3. 1951, 129—131.

Les aphidiens du Liban. Lebanon Serv. Rech. agric. Beyrouth, 1951, 9 p.

Les pucerons ou »Poux des plantes«. Rev. rom. Agric., Vitic., Arboric. 7. 1951, 23.

Coleoptera

Allgemeiner Teil

General part — Partie générale

Binaghi, G., Coleotterie d'Italia; vita, ambienti, utilità, danni, mezzi di lotta. (Coleoptera of Italy; life, environment, uses, damage, control measures.) Briano, Genova 1951. 210 p.

Crowson, R. A., The classification of the families of British Coleoptera. [Dermestodea, Bostrychoidea] Ent. Mon. Mag. 87. 1951, 147—156.

Martinez, A., Notas coleopterologicas. V. An. Soc. Cient. Argent. 152. 1951, 138—142.

Nosek, J., K biocenologii fauny Ipidů v Jeseníkách. Acta Univ. Agric. Silvic., Brno, 1951, 103—117.

Thompson, W. R., A catalogue of the parasites and predators of insect pests. Sect. 2. Host parasite catalogue. Pt. 1. Hosts of the Coleoptera and Diptera. Commonw. Inst. biol. Control, Ottawa 1951. 147 p.

Carabidae

Basilewsky, P., Révision générale des Harpalinae d'Afrique et de Madagascar (Coleoptera Carabidae). T. 1, 2. Ann. Mus. Congo belge, Tervuren, Sci. zool. 6. 1950, 283 p., 200 fig., 9 tab.; 9. 1951, 333 p., fig., 6 tab.

Dicker, G. H. L., Agonum dorsale Pont. (Col., Carabidae): an unusual egg-laying habit and some biological notes. Ent. mon. Mag., London, 87. 1951, 33—34.

Drensky, P., Balevsky, A., Sacharjeva, B., Radev, R., und Arabadjiev, D., (Materialien über den Artbestand und die Verbreitung der schädlichen Arten der Gattung Zabrus Cl. während des Jahres 1950 in Bulgarien.) (Bull. Inst. zool. Acad. bulg. Sci., Sophia), 1. 1951, 276—285.

Staphylinidae, Nitidulidae

Easton, A. M., A revision of the Meligethes (Col., Nitidulidae) of J. F. Stephens with consequent amendments to the nomenclature of the genus. Ent. Mon. Mag. 87. 1951, 281—284.

Jarrige, J., Philonthus circummediterraneus nouveaux ou mal connus (Col. Staphylinidae). Bull. Soc. ent. France 1. 1951, 6.

Stride, G. O., The nutrition of the dried fruit beetle (Carpophilus hemipterus). Biochem. J. 49. 1951, XXVI.

Elateridae

Aguilar, J. D., La lutte chimique contre les taupins (Elateridae) en Bretagne. Féd. Nat. Prod. Plants Pommes de Terre 1951, 11 p.

Baldoni, R., (Tests for control of Elateridae with benzene hexachloride.) Ind. Sac. Ital. 44. 1951, 281—287.

Blunck, H., und **Maereks, H.**, Lebensweise und Bekämpfung der Drahtwürmer. Flugbl. Biol. Bundesanst. Braunschwg. C 6. 1951, 6 S.

Faber, W., Drahtwurmbekämpfung, kein Problem mehr? Pflanzenarzt, Wien, 4. 1951, Nr. 12, S. 3—4.

Faber, W., Versuche zur Drahtwurmbekämpfung durch Saatgutbeizung mit Hexamitteln. Pfl.schutz-Berichte, Wien, 6. 1951, 17—26, 1 Abb.

Günthart, E., u. a., Hexahaltige Saatschutzmittel zur Verhütung von Drahtwurmschäden und zur Drahtwurmbekämpfung. Mitt. Biol. Zentralanst. Berlin-Dahlem H. 70. 1951, 113—116.

Jagemann, E., Klíč k určování drátovců (Col. Elateridae) žijících v našich polních půdách. (Tableau analytique des larves d'élatérides des nos campagnes.) Ent. Listy (Folia ent.), Brno, 14. 1951, 62—75, 7 Abb.

Kipenvarlits, A. F., Mery bor'by s provolochnikami na torfjaniyh pochvakh. (Measures for the control of wireworms (Elateridae) on peat soils. Minsk Akad. Nauk Belorusskoi USSR. 1951, 49 p.

Knowlton, G. F., Wireworm control. Utah State agric. Coll. Ext. Bull. 232. 1951, 2 p.

Lane, M. C., and **Stone, M. W.**, DDT for control of wireworms in irrigated lands. U. S. Bur. Ent., Plant Quar. EC—19. 1951, 4 p.

Monot, G., Le taupin. Pomme de Terre franç. 14. 1951, nr. 146, p. 23—24.

Müller, F. P., Wie bekämpft man Drahtwürmer? Kleingärtner u. Siedler 5. 1951, 37, 1 Abb.

Plate, H.-P., und **Knöpke, W.**, Neuzeitliche Drahtwurmbekämpfung. Mitt.bl. Landesverb. Gartenbau, Landw. Berlin 1. 1951, 192.

Wiedmann, H., Neue Wege in der Drahtwurmbekämpfung. [Agrotis] Württemb. Wochenbl. Landw. 118. 1951, 610—611.

Yoshida, M., (Ecological researches on the wire-worm, *Melanotus caudex* Lewis. 2—3.) Shizuoka Univ. Fac. Agric. Rept. 1. 1951, 28—54.

Wireworms. Dept. Agric., Dublin, Leaf. nr. 10. 1951, 3 p.

Buprestidae,

Bostrychidae, Cleridae, Dermestidae, Coccinellidae

Barber, H. S., Another name for the furniture carpet beetle. [Anthrenus vorax Waterhouse (not Casey) is synonym of *A. flavipes* LeConte] Coleopterists' Bull. 5. 1951, 44—45.

Besson, J., Lur la biologie de *Capnodis tenebrionis* dans la région toulousaine. Soc. Hist. Nat. Toulouse Bull. 86. 1951, 97—101.

Butt, F. H., Feeding habits and mechanism of the Mexican bean beetle (*Epilachna varivestis*). Cornell Univ. agric. Exp. Stat. Mem. 306. 1951, 32 p.

Kalik, V., Poznámky o některých formách kožojedů rodu *Dermestes* L. (Notes sur quelques espèces et formes du genre *Dermestes* L.) Ent. Listy (Folia ent.), Brno, 14. 1951, 39—46, 12 fig., 1 tab. geogr.

Knowlton, G. F., Mexican bean beetle (*Epilachna varivestis*). Utah State agric. Coll. Ext. Bull. 222. 1951, 2 p.

Knull, J. N., The checkered beetles of Ohio (Coleoptera: Cleridae). Ohio biol. Surv. Bull. 42. 1951, 269—350, tab.

Koyama, N., (Studies on the feeding habits of the large 28-spotted lady beetle, *Epilachna vigintioctomaculata* Motschulsky. III.) Oyo-Kontyu 7. 1951, 65 (Abstr.).

Pfeffer, A., Kúrovci Jeseníků. (Les Bostryches dans les Jeseníky.) Notulae Ipidologicae VII. Ent. Listy (Folia ent.), Brno, 13 (1950). 1951, 72—78.

Scoggin, J. K., Effects of selected diets and metamorphosis on lipid composition of *Dermestes maculatus* Deg. Iowa State Coll. J. Sci. 25. 1951, 353—354 (Abstr. of Thesis).

Wellenstein, G., Der Buchenprachtkäfer (*Agrilus viridis* L.). Ein zur Zeit besorgniserregender Schädling. Holz-Zentralbl. 77. 1951, Nr. 93, S. 1162.

Scarabaeidae

Aerts, P. F., and **Bougard, M.**, Chemical control of white grubs or cockchafer larvae; another victory for BHC. Plant Prot. Overseas Rev. 2. 1951, nr. 3, p. 5—11.

Cairaschi, A., **Couturier, A.**, **Harranger, M.**, **Robert, M.**, et **Rolland, L.**, Essais de lutte contre le hanneton commun (*Melolontha melolontha* L.) dans la haute vallée de la Saône au printemps 1949. Int. Congr. Crop Prot. Proc. 2 (1949). 1951, 65—69.

Caputa, J., et **Murbach, R.**, Essais de lutte contre les vers blancs, en 1949—50. Rev. rom. Agric., Vitic., Arboric. 7. 1951, 67—69.

Clausen, R., La destruction du hanneton commun dans le passé et le présent. [Melolontha melolontha] 1. Conf. int. Lutte contre Parasites Plantes 3.—6. 10. 1950 Rom. 1951, 379—388.

Cory, E. N., and **Langford, G. S.**, Control the Japanese beetle (*Popillia japonica*). Maryland agric. Coll. Ext. Fact Sheet 30. 1951, 2 p.

Couturier, A., Caractères des pullulations du hanneton commun (*Melolontha melolontha* L.) dans l'Est de la France. 9. int. Congr. Ent., Amsterdam, 1951, vol. 1, p. 627—630.

Couturier, A., et **Hurpin, B.**, Résultats principaux des observations relatives au hanneton commun (*Melolontha melolontha* L.) dans la région de Dannemarie en 1950. Compt. rend. Acad. Agric. France 37. 1951, 161—165.

Couturier, A., et **Robert, P.**, Observations préliminaires sur le déterminisme de l'orientation des vols crépusculaires du *M. melolontha* L. 9. int. Congr. Ent., Amsterdam, 1951, vol. 1, p. 641—645, 1 fig.

Couturier, A., et **Robert, P.**, Remarques à propos d'un vol très localisé du hanneton commun (*Melolontha melolontha* L.) observé aux environs de Colmar en 1950. Compt. rend. Acad. Agric. France 37. 1951, 165—166.

Cowing, J. A., The Japanese beetle (*Popillia japonica*) can be controlled. Trees 11. 1951, nr. 3, p. 9—10, 20—21.

Faber, W., Erfahrungen über Maikäfer-Großbekämpfungsaktionen. Pflanzenarzt, Wien, 4. 1951, Sdr.-Nr. 2, S. 3—4.

Faber, W., Der heutige Stand der Engerlingsbekämpfung. — Wie erkennen wir die Engerlinge schädlicher Blatthornkäferarten? Pflanzenarzt, Wien, 4. 1951, Sdr.-Nr. 2, S. 5—7, 4 Abb.

Faber, W., Die Maikäferflugjahre in Österreich. Pflanzenarzt, Wien, 4. 1951, Sdr.-Nr. 2, S. 1—2, 1 farb. Karte.

Faber, W., Über die Lebensweise und Entwicklung des Maikäfers. Pflanzenarzt, Wien, 4. 1951, Sdr.-Nr. 2, S. 2—3, 3 Abb.

Falconnier, G., Le hanneton. Educateur 87. 1951, 259—268, 6 fig.

Fleming, W. E., and **Maines, W. W.**, Experiments with toxaphene against the Japanese beetle (*Popillia japonica*). U. S. Bur. Ent., Plant Quar. E—821. 1951, 9 p.

Frickhinger, H. W., »Nebelblaser« gegen Maikäfer (*Melolontha melolontha*). Techn. Bauern, Gärtner (Ausg. A) 3. 1951, 155—156.

- Gasser, R., Experiences sur la lutte contre les hannetons (Melolontha melolontha L.). Int. Congr. Crop Prot. Proc. 2 (1949). 1951, 151—157.
- Gerneck, R., Maikäferbekämpfung mit modernen Geräten. Anz. Schäd.l.kde. 24. 1951, 113—116.
- Günthart, E., Erfahrungen über die chemische Maikäfer- bzw. Engerlingsbekämpfung. Mitt. Biol. Zentralanst. Berlin-Dahlem H. 70. 1951, 84—87.
- Günthart, E., Verlauf der Maikäferbekämpfungsaktion Sulgen/Thg. 1949. Schweiz. Ztschr. Obst-, Weinbau 60. 1951, 76—80, 1 Landk.
- Häfliger, E., Beitrag zur Frage der Maikäferbekämpfung. Mit Resultaten der Engerlingsgrabungen im Anschluß an die Maikäferaktion Wallis 1950. Ztschr. Pfl.krankh. 58. 1951, 171—178, 5 Abb.
- Horber, E., Die Engerlingsgrabungen 1950 zur Kontrolle des Erfolges der Waldrandbehandlung zur Maikäferbekämpfung bei Sulgen, 1949. Schweiz. Ztschr. Obst-, Weinbau 60. 1951, 80—84.
- Itzerott, H., Grundsätzliches zur Maikäferbekämpfung. Gesunde Pflanzen 3. 1951, 172—174.
- Jewett, H. H., Control of green June beetle larvae, *Cotinis nitida* (L.). Kentucky agric. Exp. Stat. Bull. 559. 1951, 8 p.
- King, J. L., Parker, L. B., and Willard, H. J., Status of imported parasites of the Japanese beetle (*Popillia japonica*) in 1950. U.S. Bur. Ent., Plant Quar. Insect Pest Surv. Spec. Suppl. nr. 5. 1951, 18 p.
- Klett, Die Maikäferbekämpfung 1951. (Mitteilung des Pflanzenschutzamtes.) Württemb. Wochenbl. Landw. 118. 1951, 301.
- Langford, G. S., Squires, D. W., and Dozier, B. H., The relative efficiency of some insecticides for Japanese beetle control. [Popillia japonica] J. econ. Ent. 44. 1951, 197—201.
- Leib, E., Weitere Erfahrungen bei Engerlingsbekämpfung durch Bodenbehandlung. Gesunde Pflanzen 3. 1951, 55—58.
- Lordello, L. G. E., (Notes on *Macroductylus pumilio* Burm., 1855, and *Pelidnota* (*Pelidnota*) *pallidipennis* Bates, 1904. (Col., Scarabaeidae.) Rev. Agr., Piracicaba, 26. 1951, 109—116.
- Ludwig, D., Changes in the distribution of nitrogen during the embryonic development of the Japanese beetle, *Popillia japonica* Newman. Anat. Rec. 111. 1951, 446 (Abstr.).
- Ludwig, D., Composition of the blood of Japanese beetle (*Popillia japonica* Newman) larvae. Physiol. Zool. 24. 1951, 329—334.
- Malmus, N., Der gegenwärtige Stand der Engerlingsbekämpfung. Pflanzenschutz, München, 3. 1951, 25—31.
- Malmus, N., Maikäfer-Bekämpfungsmaßnahmen in Bayern. Pflanzenschutz, München, 3. 1951, 41—44.
- Mikišić, R., Bilješke o Scarabaeidama jugoslavenske faune II (Coleoptera — Lamellicornia). (Notizen über die Scarabaeiden der jugoslawischen Fauna II.) Godišnjak biol. Inst. Sarajevu (Jahrb. biol. Inst. Sarajevo) 4. 1951, 81—88.
- Ognjeva, S., Prilog podacima za katalog skarabeidske faune Hercegovine. (Contribution aux données pour le catalogue de Scarabaeidae de la Herzégovine.) Godišnjak biol. Inst. Sarajevu (Jahrb. biol. Inst. Sarajevo) 4. 1951, 89—94.
- Plasse, J. J. V. D., (The May beetle (*Melolontha melolontha*) pest in the Bommelerwaard.) Fruitteelt 41. 1951, 472.
- Raw, F., The ecology of the garden chafer, *Phyllorhiza horticola* (L.) with preliminary observations on control measures. Bull. ent. Res. 42. 1951, 605—646, 10 fig., 2 tab.
- Régnier, R., La destruction des hannetons (*Melolontha melolontha*) par les traitements aériens et au sol. Historique des recherches françaises sur le hanneton commun. Int. Congr. Crop Prot. Proc. 2 (1949). 1951, 368—375.
- Régnier, R., La lutte contre les hannetons (*Melolontha melolontha*). Agriculture, Paris, 15. 1951, 147, 149—151.
- Richter, G., Laboratoriumserhebungen im Dienste der Engerlingsbekämpfung mit Hexa- und Ester-Mitteln. Forstw.-Holzw. H. 4. 1951, 112—117.
- Schober, K., Neue Wege in der Maikäferbekämpfung. Landwirtschaft 1951, 191—192.
- Schwerdtfeger, F., Weitere Untersuchungen zur Engerlingsbekämpfung mit Hexa-Mitteln. Mitt. Biol. Zentralanst. Berlin-Dahlem H. 70. 1951, 83—84.
- Shenefelt, R. D., and Simkover, H. G., Notes on habits and «broods» of June beetles (Phyllophaga). Ent. News 62. 1951, 219—223.
- Smit, B., White grubs and chafer beetles (*Melolonthidae*). Farming South Afr. 26. 1951, nr. 298, p. 6.
- Stähli, H., Möglichkeiten zur Verhütung von Engerlingsschäden. Ostschweiz. Landwirt 97. 1951, 1382—1390.
- Thiem, H., Maikäfer, Engerlinge und ihre Bekämpfung. Bad. Obst- u. Gartenbauer 4. 1951, 59—63.
- Thiem, H., Über den derzeitigen Stand der Maikäferbekämpfung in Deutschland. Nachr.bl. dtsh. Pfl.schutzd., Braunschweig, 3. 1951, 40—42, 3 Abb.
- Thiem, H., Über Erfahrungen bei der Aufzucht von Engerlingen. Verhandl. dtsh. Ges. angew. Ent. 11. Mitgl.versammlg. München 2.—4. 10. 1949 (P. Parey, Berlin). 1951, 77—95, 6 Abb.

Viel, G., et Proust, J., Action des poudres à base d'hexachlorocyclohexane sur les hannetons (*Melolontha melolontha* L.) en fonction de l'intensité du poudrage. Int. Congr. Crop Prot. Proc. 2 (1949). 1951, 482—486.

Wachendorf, Der Maikäfer — ein Kulturverderber. Land. Ztschr. Nord-Rheinprov. 118. 1951, 244.

Warmbrunn, K., Billige Bekämpfung der Jung-Engerlinge. (Mitteilung des Pflanzenschutzamtes.) Württemb. Wochenbl. Landw. 118. 1951, 605.

White, R. T., and McCabe, P. J., Colonization of the organism causing milky disease of Japanese beetle (*Popillia japonica*) larvae, 1939—1949. U. S. Bur. Ent., Plant Quar. E—816. 1951, 10 p.

Wolcott, G. N., Control of the soil-inhabiting grubs of Puerto Rico. [Phyllophaga spp., Diaprepes] J. econ. Ent. 44. 1951, 58—60.

Drohenden Engerlingsschäden jetzt vorbeugen! Ostschweiz. Landwirt 97. 1951, 1349—1354, 3 Abb.

Les engazonnements artificiels en 1951. [Melolontha] Rev. rom. Agric., Vitic., Arboric. 7. 1951, 24.

Erfahrungen bei der Maikäferbekämpfung am Bodensee. Obstbau 70. 1951, 107—108.

Les hannetons. Rev. rom. Agric., Vitic., Arboric. 7. 1951, 23.

Japanese beetle (*Popillia japonica*) control. U. S. Bur. Ent., Plant Quar. 1951?, 1 p.

Mesures culturales contre les vers blancs. Rev. rom. Agric., Vitic., Arboric. 7. 1951, 23.

Mesures culturales contre les vers blancs en avril. Rev. rom. Agric., Vitic., Arboric. 7. 1951, 31.

L'opération »hanneton« dans l'Oise. Compte-rendu de la réunion d'information de jeudi 10 mai 1951 à Bresles. Phytoma, Paris, 4. 1951, nr. 26, p. 28—30.

Summary of Japanese beetle (*Popillia japonica*) trap-scouting and control activities, 1932 to 1950. U. S. Dept. Agric. Bur. Ent., Plant Quar. 1951, 13 p.

Le travail du sol détruit les vers blancs. Rev. rom. Agric., Vitic., Arboric. 7. 1951, 63.

Tenebrionidae

Birch, L. C., Park, T., and Frank, M. B., The effect of intraspecies and interspecies competition on the fecundity of two species of flour beetles (*Tribolium confusum* and *T. castaneum*). Evolution 5. 1951, 116—132.

Filipponi, A., (Stylocephalid parasites [Gregarinida] of blaps [Tenebrionidae] and a method of studying them.) Riv. Parasit. (ital.) 12. 1951, 155—161.

Jones, J. C., Cytopathology of the hemocytes of *Tenebrio molitor* Linnaeus (Coleoptera). Iowa State Coll. J. Sci. 25. 1951, 271—272 (Abstr. of Thesis).

Cerambycidae, Bruchidae

Caruel, M., Ergates faber L. en Champagne. Entomologiste 7. 1951, 38—39.

Ishii, S., (Studies on the host-plants of the cowpea weevil (*Callosobruchus chinensis* L.) IX. On the relation between the chemical constitutions of sterols and the development of larva.) Botyu-Kagaku, Kyoto, 16. 1951, 83—90.

Nakajima, S., and Shimizu, K., (On the Spondylis buprestoides Linnaeus (Munemaru kurokamikiri.) Oyo-Kontyu 7. 1951, 61—62 (Abstr.).

Tippmann, F. F., Beiträge zur Kenntnis der Cerambyciden (Col.). Mitt. ent. Ges., München, 41. 1951, 291—328, 3 Abb., 8 Taf.

Vité, P., and Xylander, E. Ritter v., Der kleine Wespenbock. Holz-Zentralbl. 77. 1951, Nr. 105.

Zacher, F., Die Nährpflanzen der Samenkäfer. [Bruchidae] Ztschr. angew. Ent. 33. 1951, 210—217.

Chrysomelidae

Haget, A., Mise en évidence d'un pouvoir régulateur de l'ectoblaste dans le germe du coléoptère *Leptinotarsa*. Compt. rend. Acad. Sci., Paris, 232. 1951, 1446—1448.

Heikertinger, F., Bestimmungstabellen europäischer Käfer. LXXXII. Fam. Chrysomelidae. 5. Subfam. Halticinae. Koleopterol. Rundschau 31. 1950, 81—146; 32. 1951, 1—84.

Jolivet, P., La loi de Maulik et les plantes-hôtes des Chrysomélides. Entomologiste 7. 1951, 154—156.

Lilly, J. H., Rootworms (*Diabrotica longicornis*) are yield robbers. Successful Farming 49. 1951, nr. 4, p. 46, 185—187.

Schapiro, D., Fauna der Erdflöhe (Coleoptera, Chrysomelidae) der Chomutowsk-Steppen im Gebiet Stalingrad. Ent. Umschau (russ.) 31. 1951, 416—421.

Scolytidae

Eggers, H., Borkenkäfer (Ipidae, Col.) aus Südamerika. XII. Ent. Bl. 45/46 (1949/50). 1951, 144—154.

Schedl, K. E., Bark and ambrosia beetles from Surinam. I. [Xyleborus] Ent. Ber. 13. 1951, 376—378.

Schedl, K. E., Bestimmungstabellen der paläarktischen Borkenkäfer. V. (98. Beitrag zur Morphologie und Systematik der Scolytoidea.) VI. (85. Beitrag zur Systematik und Morphologie der Scolytoidea.) Mitt. forstl. Bundes-Vers.anst. Mariabrunn 47. 1951, 74—100. — Nachr.bl. österr., schweiz. Ent. 3. 1951, 112—116.

Schedl, K. E., Fauna aethiopica. V—VI. (113., 117. and 122. contributions to the morphology and taxonomy of the Scolytoidea.) Rev. franç. Ent. 18. 1951, 38—42. — Inst. franç. Afr. Noire Bull. 13. 1951, 1103—1106.

Schimitschek, E., Der Ernährungs- und Überwintungsfraß des *Phloeosinus bicolor* Brull. (Ph. aubei Perris). Mitt. forstl. Bundes-Vers.anst. Mariabrunn 47. 1951, 101, 1 Abb.

Wood, S. L., The Scolytidae of the Logan Canyon area in Utah and their host plants. Utah. Acad. Sci. Arts, Let. Proc. 26 (1948/49). 1951, 127—128.

Curculionidae

Eichler, Wd., Entwicklung und Lebensweise des Schierlingsrüßlers (*Lixus iridis*). Ent. Bl. 47. 1951, 87—95, 8 Abb.

Enkerlin, D., El «picudo del ejote», *Apion godmani* Wagn., su importancia económica y experimentos para su control en el Estado de Michoacán, Mexico. Mexico Ofic. Estud. Esp. Fol. Misc. 4. 1951, 126—130.

Guennelon-Aubanel, G., Observations sur le cycle évolutif de *Rhynchites coruleus* De Geer (Col. Curculion.). Compt. rend. Acad. Sci., Paris, 232. 1951, 656—658.

Hincks, W. D., The occurrence of *Lasiorrhynchites olivaceus* (Gyllenhal) (Col., Curculionidae) in Britain. Ent. monthly Mag., London, 87. 1951, 170—171.

Keiser, L., and **Henderson, Ch. F.**, DDT spray formulations for control of white-fringed beetles. [*Graphognathus*] J. econ Ent. 44. 1951, 646—652, 9 fig.

Knowlton, G. F., **Lieberman, F. V.**, and **Snow, S. J.**, Alfalfa weevil (*Hypera postica*) control. Utah State agric. Coll. Ext. Bull. 220. 1951, 2 p.

Pussard, R., Sensibilité du charançon *Rhytidoderes plicatus* Ol. à certains facteurs et produits insecticides. Compt. rend. Acad. Agric. France 37. 1951, 160—161.

Schwerdtfeger, F., Praktische Erfahrungen bei der Rüsselkäfer-Bekämpfung. Holz-Zentralbl. 77. 1951, 345—347.

Sekiya, I., and **Yanagi, T.**, (On the chemical control of *Cleonus superciliosus* Schonh.) Oyo-Kontyu 7. 1951, 86.

Voss, E., Über einige Cassoninen-Gattungen des indo-australischen Faunengebietes (Coleoptera: Curculionidae). Beitr. Ent., Berlin, 1. 1951, 77—92, 1 Abb.

White-fringed beetle (*Graphognathus leucoloma*) control. U. S. Bur. Ent., Plant Quar. 1951?, 1 p.

Lepidoptera

Amsel, H. G., Una raccolta di microlepidotteri della Dalmazia meridionale. »Redia«, Giorn. Ent., Firenze, 36 (2. ser.). 1951, 411—422, 2 fig.

Bare, O. S., The army cutworm (*Chlorizagrotis auxiliaris*). Nebraska agr. Coll. Ext. Circ. 1504 (rev.). 1951, 4 p.

Böhm, H., Ein neuer Schädling in Österreich, *Hyphantria cunea* Drury (Lep., Arctiidae). Pflanzenschutzberichte, Wien, 7. 1951, 177—189, 9 Abb.

Bowden, S. R., Results of repeated pairing in *Pieris napi*: use of a recessive variety as a marker. Entomologist 84. 1951, 278.

Charles, J., Traitement d'octobre: lutte contre la cheimatobie. [*Operopthera brumata*] Rustica 24. 1951, 996.

Clements, A. N., A revision of *Diparopsis* Hmps. (Agrotidae, Lepidoptera). [*D. castanea*, *D. perditor*, *D. gossypoides*, *D. tephragramma*] Bull. ent. Res. 42. 1951, 491—497, 12 fig.

De Biezanko, C. M., and **Bertholdi, R. E.**, (Principal Noctuidae injurious to plants cultivated in the environs of Pelotas.) Agronomia, Rio de Janeiro, 10. 1951, 235—246.

Doull, K. M., DDT for the control of grass grub (*Onocopa* sp.). Canterbury Chamber Com. Agric. Bull. 265. 1951, 4 p.

Görnitz, K., Die Massenaufzucht von Raupen der Wintersaateule (*Agrotis segetum* Schiff.) für Laboratoriumsversuche. Anz. Schäd.kunde 24. 1951, 65—68, 2 Abb.

Götz, B., Die Sexualduftstoffe an Lepidopteren. Experientia 7. 1951, 406—418.

Götz, B., Über die tageszeitliche Konstanz beim Auskriechen von Lepidopteren. Zool. Jahrb., Abt. allg. Zool., Physiol., 62. 1951, 355—365.

Hammond, H. E., *Cucullia*, Schrank: *absinthii*, L. (Lep.: Agrotidae). The pale wormwood moth. The British status of the species, with particular reference to the Midlands. Ent. Gaz. 2. 1951, 191—197.

Helm, R. W., Garden webworm (*Loxostege similis*) damage in alfalfa. Nebraska agric. Coll. Ext. E. Circ. 1563. 1951, 4 p.

Hogg, P. G., Cutworm control measures outlined on basis of tests. Mississippi Farm Res. 14. 1951, nr. 2, p. 5.

Hyde, G. E., A pocket-book of British moths. Black's Nature Pocket Books, London 1951. 160 p.

Hyde, G. E., A striking woodland butterfly. [*Argynnis paphia*] Country Life, London, 110. 1951, 507.

Jenkins, L., The red-banded leaf roller (*Argyrotaenia velutinana*) in Missouri. Missouri State hortic. Soc. hortic. News 1951, 3—4.

Johansson, A. S., The food plant preference of the larvae of *Pieris brassicae* L. (Lepid., Pieridae). Norsk ent. Tidskr. 8. 1951, 187—195.

King, H., *Heliothis armigera* (Hb.) (Lep. Caradrinidae) in Dorset. J. Soc. brit. Ent. 3. 1951, 279.

- Klemm, M.**, Ein neuer Schädling nach Europa eingeschleppt. [*Hyphantria cunea*] Nachr.bl. dtsch. Pfl.schutzd., Berlin, NF. 5. 1951, 76.
- Klots, A. B.**, A field guide to the butterflies of North America, east of the Great Plains. Houghton Mifflin, Boston 1951. 349 p.
- Knowlton, G. F.**, Cutworm control. Utah State agric. Coll. Ext. Bull. 214. 1951, 2 p.
- Latif, A.**, and **Yunus, Ch. M.**, Food-plants of citrus leaf-miner (*Phyllocnistis citrella* Stn.) in the Punjab. Bull. ent. Res. 42. 1951, 311—316.
- Machacek, S.**, *Hypogymna moria* L. als Schädling. Ent. Nachr.bl. österr., schweiz. Ent. 3. 1951, 198—200.
- Minamikawa, J.**, (On the life-history of the Japanese brown-tail moth (*Euproctis pseudoconspersa* Strand.)) *Oyo-Kontyu* 7. 1951, 77—78 (Abstr.).
- Müller, F. P.**, Raupen im Boden. [Erdräupen] Kleingärtner u. Siedler 5. 1951, 84, 1 Abb.
- Mukerji, S.**, and **Singh, H.**, Studies on the chaetotaxy of larvae of *Plusia* species (Lepidoptera: Phalaenidae). Proc. R. ent. Soc. London (Ser. B: Taxonomy) 20. 1951, 15—24.
- Nakada, M.**, (Control condition of fall web worm (*Hyphantria cunea*.) Jap. J. Plant Prot. 22. 1951, 3—5.
- Nonveiller, G.**, (*Hyphantria cunea* Drury, un nouvel ennemi des cultures en Yougoslavie.) Plant Prot., Beograd, 1. 1951, nr. 3, p. 87—95, 3 fig., 1 tab. geogr.
- Novicky, S.**, Der amerikanische Webspinner (*Hyphantria textor* Harr.). Ein für Europa neuer Großschädling nunmehr auch in Österreich. Ent. Nachr.bl. österr., schweiz. Ent. 3. 1951, 166—170.
- Paclt, J.**, Chemický nebo biologický boj proti přástevníku *Hyphantria cunea*? (Should the fall-webworm be controlled chemically or biologically?) Ent. Listy (Folia ent.), Brno, 14. 1951, 177—188, 22 fig., 2 tab. col.
- Parks, T. H.**, What about armyworms (*Cirphis unipuncta*)? Will they be back this summer? Ohio Farmer 207. 1951, nr. 5, p. 12—13.
- Patočka, J.**, Ekologické poznámky o mûrách z rodu *Taeniocampa*. Komplexní žír housenek. (Notes écologiques sur les noctuids du genre *Taeniocampa*. La devastation produite par le complexe des chenilles.) Ent. Listy (Folia ent.), Brno, 13 (1950). 1951, 41—45.
- Petrík, C.**, Dudovac, nova štetovina u našoj zemlji. [*Hyphantria cunea*] Napredna poljoprivreda 2. 1951.
- Poutiers, R.**, L'écaille fileuse (*Hyphantria cunea* Dru.), une menace nouvelle pour l'Europe. Phytoma, Paris, 4. 1951, nr. 32, p. 9—10.
- Povolný, D.**, and **Gregor, F.**, Přspěvky k poznání rodu *Lithocolletis* Hb. (Contributions to the knowledge of genus *Lithocolletis* Hb.) Ent. Listy (Folia ent.), Brno, 13 (1950). 1951, 33—36, 2 fig.
- Realì, G.**, (Interference with the cephalithoracic nervous centers by the action of atropine, pilocarpine and eserine in the larvae of *Galleria mellonella* L.) Boll. Zool. agr., Bachic. R. Univ. Milano 17. 1951, 59—76.
- Reichart, G.**, and **Szabó, K.**, Az amerikai fehér szövőlepké elleni védekezés kérdése Magyarországon. (Control of the »fall webworm« (*Hyphantria cunea* Drury) in Hungary.) Mezőgazdasági kísérletügyi központ évkönyvéből 3. 1951, 98—117.
- Rjabov, M. A.**, (Grundlegende morphologische Besonderheiten der Erdräupen (Lepidoptera, Agrotidae.)) (Ent. Übersicht), Moskau u. Leningrad, 31. 1951, 474—484, 9 Abb.
- Roecke, W.**, The genus *Trabala* Walk. in the Far East (Lept. Het., fam. Lasiocampidae). Meded. Landbouwhoogesch. Wageningen T. 50, Verhdlg. 7. 1951, 105—133, 14 tab.
- Roecke, W. K. J.**, *Ocnaria dispar* L. ♀ eieren leggend. Ent. Ber. 13. 1950, 178.
- Rudnew, D. F.**, (Bestimmung der Eierproduktion des Schwammspinners nach den Larven.) Zool. Žurnal (russ.) 30. 1951, 229—237.
- Rungs, Ch.**, Notes de Lépidoptérologie marocaine (XVIII). Nouvelles formes et espèces rares du Maroc. Bull. Soc. Sci. nat. Maroc 31. 1951, 75—92, 7 fig.
- Thompson, J. A.**, A new form of *Pieris napi* L. Entomologist 84. 1951, 177.
- Tryon, E. H.**, European pine shoot moth (*Rhyaciona buoliana*) attacks red pine plantations. West Virginia agric. Exp. Stat. Mimeogr. Circ. 67. 1951, 12 p.
- Wajnschtein, B. A.**, (*Colotois pennaria* L. (pest of trees.)) Les i Step' 3. 1951, nr. 11, p. 80.
- Van der Laan, P. A.**, and **Ankersmit, C. W.**, Chemical control of the arachis leaf miner (*Stomopteryx subcivella* Zell.). Pemb. Balai Besar Penj. Pert. (Contrib. gen. agric. Res. Stat.), Bogor, nr. 119. 1951, 13 p.
- Vári, L.**, (Netherlands Lepidoptera (5th faunistic note.)) Ent. Ber. 13. 1951, 193—198.
- Vojvodić, D.**, Ovogodišnja akcija protiv nove štetotine »Dudovca«. [*Hyphantria cunea*] Napredna poljoprivreda 7. 1951.
- Walton, W. R.**, and **Packard, C. M.**, The armyworm and its control. [*Cirphis unipuncta*] U.S. Dept. Agric. Farmers' Bull. nr. 1850. 2. ed. 1951, 10 p., 7 fig.

- Warnecke, G.**, Der Rassenkreis und das entwicklungsgeschichtliche Alter der *Agrotis* (*Euxoa*) *lidia* Cr. (Lep. Noct.). Ent. Ztschr. 60. 1951, 153—157.
- Wollerman jr., E. H.**, Development of the southern armyworm (*Prodenia eridania*) relative to the variation in nitrogen supplied to the host plant. Ohio State Univ. Abs. Doct. Diss. 61. 1951, 493—498.
- Woodroffe, G. E.**, A life-history study of the brown house moth, *Hofmannophila pseudospretella* (Staint.) (Lep., Oecophoridae). Bull. ent. Res. 41. 1951, 529—553, 5 fig., 3 tab.
- Zakarije, A.**, (L'apparition de *Hyphantria cunea* Dr. en Croatie.) Plant Prot., Beograd, nr. 8. 1951, 70—71.
- Insect pests.** The bagshelter moth (*Ochrogaster contraria*). Agric. Gaz. New South Wales 62. 1951, 597—599.
- ### Diptera
- Balock, J. W., and Lindgren, D. L.**, Toxicity of various compounds as fumigants to eggs and larvae of the oriental fruit fly (*Dacus dorsalis*) J. econ. Ent. 44. 1951, 657—659, 1 fig.
- Barnes, H. F.**, Gall midges of economic importance. Vol. V: Gall midges of trees. Crosby Lockwood & Son, Ltd., London 1951. 270 p., 8 fig.
- Böhm, O.**, Beitrag zur Taxonomie der Bibionidenlarven. Pflanzenschutzberichte, Wien, 7. 1951, 159—160, 1 Abb.
- Bollow, H.**, Die Wald-Haarmücke (*Bibio clavipes* Meig.), ein neuer Schädling. Pflanzenschutz, München, 3. 1951, 38.
- Bollow, H.**, Zur Biologie und Systematik der landwirtschaftlich wichtigen Haarmücken (*Bibionidae*). Pflanzenschutz, München, 3. 1951, 131—132.
- Eichler, Wd., and Mielke, R.**, Erfahrungen mit Fliegenlarvenzüchten. Anz. Schädl.kunde 24. 1951, 103—105.
- Ejsing, G.**, (Spraying against crane flies (*Tipulidae*). [field crops] Dansk Landbr. 70. 1951, 235.
- Frick, K. E.**, A satisfactory technique for rearing agromyzid flies from the leaf mining larval stage (*Diptera: Agromyzidae*). Pan-Pacific Ent. 27. 1951, 187—189.
- Gad, A. M.**, The head-capsule and mouth-parts in the *Ceratopogonidae*. [Diptera-Nematocera] Bull. Soc. Fouad I^{er} Ent., Cairo, 35 (44). 1951, 17—75, 109 fig.
- Hills, O. A., and Taylor, E. A.**, Parasitization of dipterous leaf miners in cantaloups and lettuce in the Salt River Valley, Arizona. [*Liriomyza* spp.] J. econ. Ent. 44. 1951, 759—762.
- Lamb, K. P.**, A new species (*Dasyneura hebefolia*) of gall midge (*Cecidomyiidae*) from *Hebe salicifolia* Forst. leaf galls. R. Soc. New Zealand Trans., Proc. 79. 1951, 210—212.
- Newell, I. M., Van den Bosch, R., and Haramoto, F. H.**, An improved method of rearing field-collected fruit fly (*Dacus dorsalis*, *D. cucurbitae*) larvae. Hawaii. ent. Soc. Proc. 14 (1950). 1951, 297—299.
- Niblett, M.**, Notes on some gall-causing *Cecidomyiidae* VII. Entomologist 84. 1951, 43—44.
- Nijveldt, W.**, (*Clinodiplosis piscicola* Barnes (*Diptera*, *Itonididae*) f. n. sp., as inquiline of *Contarinia pisi* Winn.) Ent. Ber. 13. 1951, 233—236.
- Nijveldt, W.**, (On gall midges and their galls. III.) Natura 48. 1951, 110—112.
- Pritchard, A. E.**, The North American gall midges of the tribe *Lestremiini*; *Itonididae* (*Cecidomyiidae*); *Diptera*. Calif. Univ. Publ. Ent. 8. 1951, 239—275.
- Rao, S. N.**, Descriptions of two new genera and nine new and one known species of gall midges (*Itonididae: Diptera*) from India. Indian J. Ent. 11 (1949). 1951, 109—127.
- Rydén, N.**, Zur Kenntnis der schwedischen Blattminierer. XI—XIV. [Agromyzidae] Opusc. Ent. 16. 1951, 41—43; Ent. Tidskr. 72. 1951, 168—180; Opusc. Ent. 16. 1951, 188—190.
- Séguy, E.**, Atlas des diptères de France, Belgique, Suisse. Aquarelles et dessins par E. S. I.: Introd. et caractères généraux. Nématocères. Brachycères I. 2: Développement et biologie. Brachycères II. Siphonaptères. Boubée, Paris 1951. 199 p., fig., 12 tab.
- Slipka, J.**, (*Tipula* (*Schummelia*) *zonaria* Goetgh., femina nova (*Dipt.-Nemat.*)). Českosl. Společnost. Ent. Časopis 48. 1951, 119—121.
- Thompson, W. R.**, A catalogue of the parasites and predators of insect pests. Sect. 2. Host parasite catalogue. Pt. 1. Hosts of the Coleoptera and Diptera. Commonw. Inst. biol. Control, Ottawa 1951. 147 p.
- Timon-David, J.**, Contribution à la connaissance de la faune entomologique du Maroc. *Diptera*: Asilidae, Bombyliidae, Nemestrinidae et Syrphidae. Bull. Soc. Sci. nat. Maroc 31. 1951, 131—148, 8 fig.
- Wahlgren, E.**, (Cecidological notes. VI.) Ent. Tidskr. (swed.) 72. 1951, 99—156.
- Wahlin, B.**, Skidgallmyggan på spridning norrut. Växtskyddsnotiser, Stockholm, 15. 1951, 44—45.
- Seedling maggot** (*Hylemyia* sp.). New South Wales Dept. Agric. Insect Pest Leaflet. 104. 1951, 1 p.
- Special report on current status of the oriental fruit fly** (*Dacus dorsalis*) in the Hawaiian Islands. Calif. Legislature Joint Comm. Agric., Livestock Probl., Sacramento 1951. 61 p.

Hymenoptera

- Autuori, M.**, (Sulfur in control of *Atta* and other cutting ants.) *Granja (Porto Alegre)* 7. 1951, nr. 56, p. 13—14.
- Belisin, W.**, Gallwespen (Hymenoptera, Cynipidae) der Fauna der UdSSR und der Nachbarländer. *Ent. Umschau (russ.)* 31. 1951, H. 3/4.
- Benson, R. B.**, Hymenoptera. 2. Symphyta. Section (a). In: *Handbooks for the identification of British insects*. R. ent. Soc. London 6. 1951, pars 2 (a), 49 p., 127 fig.
- Bernard, F.**, Adaptations au milieu chez les fourmis sahariennes. *Soc. Hist. Nat. Toulouse Bull.* 86. 1951, 88—96.
- Bier, K.**, Über den Einfluß der Königin auf die Arbeiterinnen-Fertilität im Ameisenstaat. *Insectes Sociaux* 1. 1954, 7—19, 2 Abb.
- Blanck, A.**, Les fourmis nuisibles et les moyens de les combattre. *Phytoma, Paris*, 4. 1951, nr. 33, p. 8—16, 6 fig.
- Bollow, H.**, Hautflügler (Hymenopteroidea). I. Pflanzenwespen (Symphyta). *Naturwiss. Grundbegr. landbaul. Praxis, München, Zool. R. Nr.* 18. 1951, 6 S., 4 Abb.
- Brandt, H.**, Hautflügler (Hymenopteroidea). II. Schlupfwespen (Terebrantes). *Naturwiss. Grundbegr. landbaul. Praxis, München, Zool. R. Nr.* 19. 1951, 6 S., 4 Abb.
- Breny, R.**, Mutualisme de *Cladobius populneus* Kalt. et de *Lasius niger* L. *Parasitica* 7. 1951, 55—62, 1 tab.
- Brian, M. V.**, Further work on caste-determination in *Myrmica*. *Bull. Un. Int. Ins. Soc.* 1. 1952, 17—20.
- Brian, M. V.**, and **Brian, A. D.**, Insolation and ant population in the West of Scotland. *Trans. R. ent. Soc. London* 102. 1951, 303—330.
- Brown jr., W. L.**, Synonymous ant names. [in *Kyidris* and in *Lordomyra*] *Psyche* 58. 1951, 124.
- Bruns, H.**, Beobachtungen zum Verhalten (insbesondere Tagesrhythmus) der Roten Waldameise (*Formica rufa*) während des Nahrungserwerbes. (Vorläufige Mitteilung.) *Ztschr. Tierpsychol.* 11. 1954, 151—154, 1 Abb.
- Clark, J.**, The Formicidae of Australia, v. I. [includes new species in *Myrmecia* and *Promyrmecia*] *Melbourne* 1951. 230 p.
- Collingwood, C. A.**, Ants in Scotland. *Ent. Rec., J. Variation* 63. 1951, 306—307.
- Collingwood, C. A.**, The distribution of ants in North-West Scotland. *Scot. Nat.* 63. 1951, 45—49.
- Creighton, W. S.**, Studies on Arizona ants. 2. New data on the ecology of *Aphaenogaster huachuana* and a description of the sexual forms. *Psyche* 58. 1951, 89—99.
- Crèvecoeur, A.**, Note sur la biologie d'Eurytoma (*Bruchophagus*) ononis Mayr (Hym. Chalcidoidea). *Bull. Soc. ent. Belg.* 87. 1951, 148—150.
- De A. Leite, E.**, (Toward control of the sauva ant.) [Atta spp.] *Chacaras e Quintais* 83. 1951, 728—730.
- Flanders, S. E.**, Caste determination in the social Hymenoptera. *Sci. Monthly* 76. 1953, 142—148.
- Forel, A.**, (Die Welt der Ameisen.) *Rotapfel Verl., Zürich* 1951. 280 S., 61 Abb.
- Gößwald, K.**, Über den Lebenslauf von Kolonien der Roten Waldameise. *Zool. Jahrb., Abt. Syst., Ökol., Geogr. Tiere*, 80. 1951, 27—63.
- Gößwald, K.**, Zur Ameisenfauna des mittleren Maingebietes mit Bemerkungen über Veränderungen seit 25 Jahren. *Zool. Jahrb., Abt. Syst., Ökol., Geogr. Tiere*, 80. 1951, 507—532.
- Gößwald, K.**, Zur Biologie, Ökologie und Morphologie einer neuen Varietät der Kleinen Roten Waldameise: *Formica minor pratensis*. *Ztschr. angew. Ent.* 32. 1951, 433—457, 4 Abb.
- Gößwald, K.**, und **Bier, K.**, Untersuchungen zur Kastendetermination in der Gattung *Formica*. 3. Die Kastendetermination von *Formica rufa rufopratensis minor* Gössw. *Insectes Sociaux* 1. 1954, 229—246, 5 fig.
- Goetsch, W.**, Ameisen- und Termiten-Studien in Ischia, Capri und Neapel. *Zool. Jahrb., Abt. Syst., Ökol., Geogr. Tiere*, 80. 1951, 64—98.
- Gonzalez Mendoza, R.**, Control de la hormiga »Arriera (*Atta* spp.). *Rev. Cafetera Colombia* 10. 1951, 3741—3749.
- Grassé, P. P.**, La régulation sociale chez les Isoptères et les Hyménoptères. *Coll. int., Paris*, 34. 1952, 323—330.
- Green, H. B.**, The imported fire ant (*Solenopsis saevissima richteri*) in northeast Mississippi. *Assoc. south. Agric. Workers Proc.* 48. 1951, 94.
- Griot, M.**, Metodo para estudios morfológicos de himenopteros parasitos. *Argent. Inst. Sanid. Veg. [Publ.] ser. B* 7. 1951, nr. 21, 10 p.
- Haarer, A. E.**, Nobody knows about ants! *Fruit-Grower* 2909. 1951, 516—517.
- Hall, D. W.**, and **Smith, I. C.**, Studies in Pharaoh's ant, *Monomorium pharaonis* (L.). 6. External characters, size variation and cephalic ratios. *Ent.'s monthly Mag., London*, 87. 1951, 217—221.
- Hase, A.**, Beitrag zur Kenntnis der Holzameise (*Lasius fuliginosus*). *Zool. Anz.* 146. 1951, 326—329, 4 Abb.
- Haskins, C. P.**, and **Haskins, E. F.**, Note on the method of colony foundation of the ponerine ant *Amblyopone australis* Erichson. *Amer. Midl. Naturalist* 45. 1951, 432—445.

- Haws, L. D., and Knowlton, G. F.**, Heptachlor in western harvester ant (*Pogonomyrmex occidentalis*) control. Utah agric. Exp. Stat. Mimeogr. Ser. 381. 1951, 3 p.
- Herberg, M.**, Bestäubung gegen Hornissen in Nistkästen. Anz. Schäd.l.kde. 24. 1951, 86.
- Hölldobler, K.**, Über eine Milbenschädigung der Roßameise (*Camponotus herculeanus*), die durch eine Fehlreaktion des Wirtes wirksam wird. Ztschr. angew. Ent. 33. 1951, 104—107.
- Hudson, N. M.**, House ants. Tasmanian J. Agric. 22. 1951, 317—318.
- Hurd jr., P. D.**, The California velvet ants of the genus *Dasymutilla* Ashmead (Hymenoptera: Mutillidae). Calif. Insect Surv. Bull. 1. 1951, 89—114.
- Jacot-Guillarmod, C.**, A South African leguminous plant (*Calpurnia intrusa*) attractive to Hymenoptera. Ent. monthly Mag., London, 87. 1951, 235—236.
- Jenkins, C. F. H., and Forte, P. N.**, The Argentine ant in Western Australia. [*Iridomyrmex humilis*] J. Dept. Agric. West Austr. 28. 1951, 324—335, 4 fig., 3 tab. geogr.
- Kaven, G.**, Zur Bekämpfung schädlicher Ameisen. [*Camponotus herculeanus* mit *Xylamon*] Prakt. Schäd.bekämpfer 3. 1951, 80—81.
- King, R. L., and Sallee, R. M.**, More mixed colonies in ants. Iowa Acad. Sci. Proc. 58. 1951, 487—489.
- Knowlton, G. F.**, Ant control. Utah State agric. Coll. Ext. Bull. 252. 1951, 2 p.
- Knowlton, G. F.**, Harvester ants (*Pogonomyrmex occidentalis*) on the western range. Brooklyn ent. Soc. Bull. 46. 1951, 75.
- Knowlton, G. F., Tibbetts, T., and Haws, L. D.**, Ant control with heptachlor. Utah agric. Exp. Stat. Mimeogr. Ser. 378. 1951, 1 p.
- Koegel, L.**, Ameisen als Waldbeschützer. Unser Wald 4. 1951, nr. 5, p. 7—8.
- Kontunieni, T.**, Zur Kenntnis des Lebenszyklus der Sägewespen (Hymenoptera, Symphyta) in Finnland. [Empria, Athalia, Dentathalia] Acta ent. fenn. 9. 1951, 92 p.
- Kusnezov, N.**, La lucha contra las hormigas. [Atta, Acromyrmex] Chacra 21. 1951, nr. 251, p. 80—81.
- Ledoux, A.**, Recherche sur la biologie de la fourmi fileuse (*Öcophylla longinoda* Latr.). Ann. Sci. Nat., Zool. 12. 1950, 189—225.
- Louis, P.**, Die Ameisen und wir. Myrmekologische Plauderei. Mitt. naturforsch. Ges., Bern, 8 (n. ser.). 1951, XIII—XIV.
- McGregor, E. G.**, Odour as a basis for orientated movement in ants. Behaviour 1. 1948, 267—296.
- Mayen, F.**, La lutte contre la fourmi d'Argentine (*Iridomyrmex humilis*). Rév. Agr. 60. 1951, 81—82.
- Molyneaux, R.**, Ant palaces — description and building instructions. All-Pets Mag. 22. 1951, nr. 6, p. 71—73, 75.
- Monastero, S.**, (Morphology of the Argentine ant (*Iridomyrmex humilis* Mayer).) Ann. Palermo Univ., Fac. Sci. Agr., 1 (1950). 1951, 309—325.
- Mote, D. C., and Tanner, C. R.**, Controlling house ants. Oregon agric. Exp. Stat. Circ. Inform. 502. 1951, 2 p.
- Muesebeck, C. F. W., Krombein, K. V., Townes, H. K.**, a. o., Hymenoptera of America north of Mexico: Synoptic catalog (including three new genera, two new subgenera, many other new names, and new synonymy). U. S. Dept. Agric. agric. Monogr. nr. 2. 1951, (1+) 1420 p., 1 tab. geogr.
- Nixon, G. E. J.**, The association of ants with aphids and coccids. Commonw. Inst. Ent., London, 1951, 35 p.
- Otto, H.**, Harvester ants (*Hodotermes mossambicus*) don't like water; simple control method discovered on Free State Farm. [subsoil plowing] Farmer's Weekly, Bloemfontein, 81. 1951, 10—11, 13.
- Pasfield, G., and Greaves, T.**, The control of Argentine ants (*Iridomyrmex humilis* Mayr.). Agric. Gaz. New South Wales 62. 1951, 634—639, 642.
- Peacock, A. D.**, Studies in Pharaoh's ant, *Monomorium pharaonis* (L.). 5. Pupal and adult sex ratios. Ent. monthly Mag., London, 87. 1951, 185—191.
- Raskin, A.**, (Control of wasps in 1949 and 1950.) Hassadeh (hebr.) 31. 1951, 410—413.
- Risbec, J. I.**, Les chalcidoïdes d'A. O. F.; II: Les Microgasterinae d'A. O. F. Inst. franç. Afr. Noire Mém. 13. 1951, 471 p.
- Samsijnak, K.**, Formica fusca r. lemani Bondr. (Hym. Formic.). Českosl. Společnost. Ent. Časopis 48. 1951, 122—127.
- Sant' Anna, B.**, (Control the sauva ant (*Atta* sp.) with methyl bromate.) Seleç. Agr. 6. 1951, nr. 58, p. 18.
- Schaffner jr., J. V.**, The redheaded pine sawfly (*Neodiprion lecontei*). U. S. Dept. Agric. Leaf. 296. 1951, 4 p.
- Scheerpeltz, O.**, Ameisen. N. Brehm-Bücherei H. 32 (Akad. Verl.ges. Geest & Portig, K.-G., Leipzig). 1951, 31 S., 17 Abb.
- Schmidt, G.**, Vergleichende Untersuchungen über Mittel und Methoden zur Ameisenbekämpfung. Nachr.bl. dtsh. Pfl.schutzd., Braunschweig, 3. 1951, 60.
- Schmitt, J. B.**, House ants and their control. New Jersey agric. Exp. Stat. Circ. 545. 1951, 8 p.
- Schneirla, T. C.**, The army-ant queen: Keystone in a social system. Bull. Un. Int. Ins. Soc. 1. 1953, 29—41.
- Schneirla, T. C.**, Carpenter ants (*Camponotus*). Nat. Hist. 60. 1951, 227—233.

Schneirla, T. C., and Brown, R. Z., Sexual broods and the production of young queens in two species of army ants. *Zoologica*, New York, 37. 1952, 5—32.

Scott, H. W., The geological work of the mound-building ants in western United States. [Formica spp., Pogonomyrmex spp.] *J. Geol.* 59. 1951, 173—178.

Seixas, C. A., (Progress in the control of saúva ants.) *Soc. Rur. Bras. Rev.* 31. 1951, nr. 372, p. 46—47.

Steiner, A., Der Wärmehaushalt der einheimischen sozialen Hautflügler. *Beih. schweiz. Bienenztg.* 2. 1947, 140—253.

Stritt, W., Die Biologie der Blattwespe Pamphilus aurantiacus Gir. (Hym., Symph.). *Beitr. naturkundl. Forschg. Südw. dtshld.* 2. 1951, 137—141, 2 Abb.

Stumper, R., Teleutomyrmex schneideri Kutter (Hym. Formicid). II. Mitt. Über die Lebensweise der neuen Schmarotzerameise. *Mitt. schweiz. ent. Ges.* 24. 1951, 129—152.

Tirelli, M., (New field methods for measuring the efficiency of insecticides against the Argentine ant, Iridomyrmex humilis Mayr.) *Riv. Fitosanit. (ital.)* 2. 1951, nr. 5, p. 10—13.

Tokunaga, M., and Tsujita, M., (Biological study on the rosaceous leaf-feeder sawfly (Arge) larvae.) *Saikyo Univ. Fac. Agric. Sci. Rept.* 1. 1951, 77—100.

Van Dinter, J. B. M., Enkele observaties van Barichneumon peregrinator L. *Ent. Ber.* 13. 1951, nr. 317, p. 353—354.

Venezia, M., Moderni mezzi di lotta contro la formica Argentina. 1. Conf. int. Lutte contre Parasites Plantes 3.—6. 10. 1950 Rom. 1951, 443—446.

Viado, G. B., Ants and their control. *Agric. Ind. Life* 13. 1951, nr. 3, p. 9, 33.

Wahlgren, E., (Blattminierende Tenthredinidlarven. II (Hym. Phyt.)) *Opusc. Ent. (swed.)* 16. 1951, 74—76.

Walrecht, B. J. J. R., (The building instinct of the social wasp III.) *Levende Nat.* 54. 1951, 196—200.

Wilson, E. O., The origin and evolution of polymorphism in ants. *Quart. Rev. Biol.* 28. 1953, 136—156.

Wilson, H. B., The Argentine ant. DDT shows promise in control experiments. [Iridomyrmex humilis] *J. Dept. Agric. Victoria* 49. 1951, 217—219, 1 fig.

The imported fire ant (Solenopsis saevissima v. richteri). U. S. Dept. Agric., Bur. Ent., Plant Quar. EC—17. 1951, 6 p.

Lutte contre les fourmis. *Rev. rom. Agric., Vitic., Arboric.* 7. 1951, 63.

The red harvester ant (Pogonomyrmex harbatus). U. S. Bur. Ent., Plant Quar. EC—18. 1951, 8 p.

e. Vertebrata

Aves

Bickel, E., Die norwegische Krähen-Massenfalle. *Anz. Schädl.kde.* 24. 1951, 28—29, 1 Abb.

Biehn, E. R., Crop damage by wildlife in California with special emphasis on deer and waterfowl. *Game Bull. (Calif. Dept. Fish, Game)* 5. 1951, 71 p.

Boback, A. W., Sperlingsbekämpfung durch Gift? *Nachr.bl. dtsh. Pfl.schutzd., Berlin*, NF. 5. 1951, 213—214.

Brandt, P., Strychninkur macht Lippedorf spatzenfrei. *Westdtsh. allg. Ztg.* Nr. 75. 1951, 3.

Fricker, A., Krähen- und Elsternbekämpfung im Winter. (Mitteilung des Pflanzenschutzamtes Stuttgart.) *Württ. Wochenbl. Landw.* 118. 1951, 1055.

Frohberg, E., Neuzzeitliche Sperlingsbekämpfung. *Mitt. Biol. Zentralanst. Berlin-Dahlem* H. 70. 1951, 24—27.

Fürth, R., and Humphreys-Owen, S. P. F., Birds and rodents in relation to agriculture. *Nature*, London, 167. 1951, 717.

Gaudchau, M. D., Neue Wege der Spatzenbekämpfung. (Mitteilung des Pflanzenschutzamtes.) *Württ. Wochenbl. Landw.* 118. 1951, 565.

Gaudchau, M. D., Spatzenbekämpfung mit Giftweizen. [Maßnahmen des Pflanzenschutzamtes] *Württ. Wochenbl. Landw.* 118. 1951, 644.

Gersdorf, E., Die Sperlingsbekämpfung in Hannover. *Gesunde Pflanzen* 3. 1951, 248—250.

Gersdorf, E., Sperlingsbekämpfung unter Verwendung von grüngefärbtem Strychninweizen. *Pfl.schutzamt Hannover, Sdr. Hamburg* 1951, 47 S.

Gersdorf, E., Zur Sperlingsbekämpfung. *Ztschr. Pfl.krankh.* 58. 1951, 188—190.

Goossen, A., Alte und neue Verfahren zur Sperlingsbekämpfung. *Landw. Wochenbl. Westf., Lippe* 108 A. 1951, 635—636.

Goossen, A., Ein neues Verfahren zur Sperlingsbekämpfung. *Landw. Wochenbl. Westf., Lippe* 108 A. 1951, 1705—1706.

Gros, L. P., Les oiseaux et l'agriculture. *Réveil Agric.* 60. 1951, 225—226.

Henze, H., Biologische Krähen- und Elsternbekämpfung im Mai. *Anz. Schädl.kde.* 24. 1951, 86—87.

Kleinschmidt, A., Die Sperlingsbekämpfung. — Falle oder Gift? *Schädlingsbekämpfung* 43. 1951, 191—196, 2 Abb.

Laue, G., and Mutz, H., Sperlingsbekämpfung mit Giftgetreide. *Nachr.bl. dtsh. Pfl.schutzd., Berlin*, NF. 5. 1951, 130—133.

- Leib, E.**, Bekämpfung der Krähen. Saarl. Bauernbl. 5. 1951, 64.
- Przygodda, W.**, Neuzeitliche Sperlingsbekämpfung. Landw. Ztschr. Nord-Rheinprov. 118. 1951, 291.
- Przygodda, W.**, Sperlingsbekämpfung. Landw. Ztschr. Nord-Rheinprov. 118. 1951, 740—741.
- Rademacher, B.**, Beringungsversuche über die Orts-treue der Sperlinge. (Passer d. domesticus L. und Passer m. montanus L.). Ztschr. Pfl.krankh. 58. 1951, 416—426.
- Samuel, C. K.**, The Indian house-sparrow, Passer domesticus indicus Jard. et Selby, as a serious orchard and wheat pest in Baluchistan. Indian J. Ent. 11 (1949. 1951, 219—220.
- Schrödl, Sperlingsfang** vom Standpunkt der Schädlings-bekämpfung und Tierpsychologie. Diss. Tierärztl. Hochsch. Hannover 1951.
- Steinbacher, J.**, Grundsätzliches zur Sperlingsbekämpfung. Gefiederte Welt 75. 1951, 45.
- Steiniger, F.**, Erste Eindrücke von der Sperlingsbekämpfung mit Strychningetreide. Ornith. Mitt. 3. 1951, 103—108.
- Stöhr, W.**, Plünderer und Vielfraß: der Spatz. Sperlingsbekämpfung ist eine notwendige Aufgabe. Landw. Wochenbl. Kurh. u. Waldeck 166. 1951, 1196.
- Wenkel, F.**, Versuche mit »Morkit« und »VO 4279« zur Abschreckung von Vögeln vom Fraß an Ölsaaten und Getreide. Höfchen-Briefe, Leverkusen, 4. 1951, 227—234.
- 1 000 Sperlinge vernichtet.** Frankfurter Rundschau 1. 1951, 4.
- Mammalia**
- Insectivora**
- Glendenning, R.**, Mole control in British Columbia. Canada Dept. Agric. Proc. Publ. ser. nr. 113 (Ent.). 1951, 4 p.
- Vom Wühlmausbau und Maulwurfsbau.** Württ. Wochenbl. Landw. 118. 1951, 7.
- Rodentia**
- Aubry, J.**, Essai d'un dispositif en vue de l'étude des substances d'ingestion attractives à l'égard des petits rongeurs. Parasitica 7. 1951, 1—5.
- Barnett, S. A., Bathard, A. H., and Spencer, M. M.**, Rat populations and control in two English villages. Ann. appl. Biol. 38. 1951, 444—463, 9 fig., 2 tab., 2 tab. geogr.
- Barnett, S. A., and Spencer, M. M.**, Feeding, social behaviour and interspecific competition in wild rats. Behaviour 3. 1951, 229—242.
- Bašenina, N. V.**, (Materialien zur Dynamik der Zahl der kleinen Nagetiere der Waldzone.) Bjul. moskov. Obsč. Ispyt. Priir. n. ser. (Otdel Biol.) 56. 1951, nr. 2, p. 4—13.
- Becker, K.**, Dicumarol und verwandte Gifte als Rattenmittel. Schädlingsbekämpfung 43. 1951, 130—132.
- Becker, K.**, Neuere Ergebnisse der Rattenbiologie und ihre kommunalhygienische Bedeutung. [Autoreferat] Zentralbl. Bakt., I. Abt., 157. 1951, 50—51.
- Becker, K.**, Versuche mit Rattenbekämpfungsmitteln der Firma Bakteriologisch Laboratorium »Ratin« in Kopenhagen. Schädlingsbekämpfung 43. 1951, 69—82, 8 Abb.
- Becker, K.**, Zur Frage: Rudelbildung und Revierabgrenzung bei der Wanderratte. Ztschr. hyg. Zool. 39. 1951, 81—91.
- Bertram, I.**, Rattenbekämpfung auf chemischer Grundlage. Anz. Schädl.kde. 24. 1951, 42—44.
- Blanche, D., and Stehlé, H.**, Rodent control in the French W. I. and French Guiana. Caribbean Comn. Mon. Bull. 5. 1951, 87—89, 108.
- Böhm, O.**, Neue Erfahrungen in der Zieselbekämpfung. [Spermophilus citellus L.] Pflanzenarzt, Wien, 4. 1951, Nr. 9, S. 1—3, 2 Abb.
- Borissow, S. N.**, (Bekämpfung von Nagetieren in Kühlräumen durch Kohlen säuregas.) Hyg. u. Sanit.wesen) nr. 1. 1951, 53—54.
- Brander, T.**, Bidrag till kännedomen om bisamrättans (Ondatra z. zibethica L.) kägelbobyggen. Mem. Soc. Fauna, Flora fenn. 26 (1949—1950). 1951, 32—37, 5 fig.
- Bujaković, N. G.**, (Die Bisamratte im äußersten Nordosten der UdSSR.) Zool. Žurnal 30. 1951, 279—285.
- Caroline, M.**, The control of injurious rodents. Indiana hortic. Soc. Trans. 89 (1949). 1951, 33—35.
- Caudri, L.**, Développements récents de la lutte contre les rongeurs aux Pays-Bas. [Ref.] Phytoma, Paris, 4. 1951, nr. 27—28, p. 33—34.
- Coker, E. G.**, A progress report on experiments with rabbit repellents. East Malling Res. Stat. Ann. Rept. 38 (1950). 1951, 87—89.
- Connolly, P. J.**, (Warfarin for control of rats.) Fazenda (portug.) 46. 1951, nr. 12, p. 40, 42.
- Corvin, A.**, Über den Köderwert von Rattengiften. Nach einem vor den Mitgliedern der Landesinnung Wien der Schädlingsbekämpfer am 24. 10. 1950 gehaltenen Vortrage. Pflanzenarzt, Wien, 4. 1951, Nr. 1, S. 1—3, u. Nr. 2, S. 3—4.
- Dale, J.**, Rabbits control — driving into cagetraps. Farming News, No. Brit. Agr. 103. 1951, nr. 11, p. 10, 11.

- Dathe, H.**, Rattenbekämpfung mit Hilfe eines Waldkauzes. Anz. Schädl.kde. 24. 1951, 105—106.
- Davis, D. E.**, The characteristics of global rat populations. Amer. J. Public Health 41. 1951, 158—163.
- Davis, D. E.**, A comparison of reproductive potential of two rat populations. Ecology 32. 1951, 469—475.
- Davis, D. E.**, and **Hall, O.**, The seasonal reproductive condition of female Norway (Brown) rats in Baltimore, Maryland. Physiol. Zool. 24. 1951, 9—20.
- De Mello, A. T.**, (Field mouse, rabbit, rat, or other rodent?) Seleg. Agr. (portug.) 6. 1951, nr. 65, p. 27—29.
- Doecke, H. T.**, Experiences with rabbit control. J. south austr. Dept. Agric. 54. 1951, 512.
- Du Tilly, H.**, Lapins de Garenne et reboisement. Compt. rend. Acad. Agric. France 37. 1951, 303.
- Dyssegaard, A.**, Nye rottegift: Dicoumarin. Ratin, Kopenhagen, 1. 1951, 4—7.
- Evans, J. W.**, Lutte contre les rongeurs. [Ref.] Phytoma, Paris, 4. 1951, nr. 27—28, p. 33.
- Fitzhugh, O. G.**, and **Nelson, A. A.**, Comparison of chronic effects produced in rats by several chlorinated hydrocarbon insecticides. Fed. amer. Soc. exp. Biol. Fed. Proc. 10 (1, pt. 1). 1951, 295 (Abstr.).
- Fitzwater jr., W. D.**, New methods for mouse control explained for the growers. East. Fruit Grower 14. 1951, nr. 10, p. 15, 18.
- Fürth, R.**, and **Humphreys-Owen, S. P. F.**, Birds and rodents in relation to agriculture. Nature, London, 167. 1951, 717.
- Gaudchau, M. D.**, Achtung! Feldmäuse. (Mitteilung des Pflanzenschutzamtes.) Württ. Wochenbl. Landw. 118. 1951, 705.
- Gaudchau, M. D.**, Jetzt Wühlmausbekämpfung! (Mitteilung des Pflanzenschutzamtes Stuttgart.) Württ. Wochenbl. Landw. 118. 1951, 885.
- Gerber, R.**, Nagetiere Deutschlands. Akad. Verl.ges. Geest & Portig, K.-G., Leipzig, u. A. Ziemsen-Verl., Wittenberg/Lutherstadt 1951. 94 S., 51 Abb.
- Gerritsen, C.**, (Culture and biological control.) [insects, rodents] Volkstuin 34. 1951, 18.
- Giban, J.**, État actuel de la question du rat musqué. Phytoma, Paris, 4. 1951, nr. 33, p. 17—21, 3 fig., 1 tab.
- Giban, J.**, Inventaire des moyens de lutte chimique contre les rongeurs. Ann. Epiphyties (Ann. Inst. nat. Rech. agron. sér. C), Paris, 2. 1951, 509—514.
- Giban, J.**, Note sur l'emploi des appâts empoisonnés dans la lutte contre les rongeurs. Phytoma, Paris, 4. 1951, nr. 24, p. 12—14.
- Giljarov, M. S.**, (Role of steppe rodents in the origin of soil insect fauna and weeds in the fields.) Dokl. Akad. Nauk USSR. 79. 1951, 669—671.
- Grunderath, F.**, Wildkaninchen energischer bekämpfen! Kleingärtner u. Siedler 5. 1951, 54.
- Habs, H.**, und **Heinz, H. J.**, Beitrag zur Biologie freilebender Wanderratten. Ztschr. hyg. Zool. 39. 1951, 65—81, 4 Abb., 2 Landkart.
- Habs, H.**, und **Heinz, H. J.**, Beobachtungen bei der Anwendung von Ratinbakterien zur Rattenbekämpfung auf der Vogelfreistätte Insel Scharhörn. Arch. Hyg., Bakt. 134. 1951, 49—58.
- Heinrich, G.**, Die deutschen Waldmäuse. I. Apodemus flavicollis flavicollis Melchior und Apodemus sylvaticus. Zool. Jahrb., Abt. Syst., Ökol., Geogr. Tiere, 80. 1951, 99—122.
- Heinz, H. J.**, Herbst- oder Frühjahrsaktion gegen Ratten? Anz. Schädl.kde. 24. 1951, 59—61, 2 Abb.
- Heinz, H. J.**, Neuere Erfahrungen über die Bekämpfung von Hausratten mit den Schwermetallgiften Thalliumsulfat und Zinkphosphid. Anz. Schädl.kde. 24. 1951, 91—94.
- Helm, R. W.**, Rat control on Nebraska farms. Nebraska agric. Coll. Ext. E. Circ. 1562. 1951, 4 p.
- Herberg, M.**, Zur Bekämpfung der Ratten! Dtsch. Landw. 2. 1951, 440—441.
- Hoffmann, M.**, Kannibalismus bei Bisamratten (Ondatra zibethica). Nachr.bl. dtsch. Pflschutzd., Berlin, NF. 5. 1951, 236.
- Hüter, F.**, Neue biologische Erkenntnisse, gewonnen mit chemisch synthetisierten Nagetiergiften. Anz. Schädl.kde. 24. 1951, 23—26.
- Janeke, W.**, Vorschläge zur Neuordnung behördlich anzuordnender Rattenbekämpfungsmaßnahmen. Schädlingsbekämpfung 43. 1951, 165—167.
- Jany, E.**, Das »Baumleben« von Ratten unter besonderer Berücksichtigung der Wanderratte (Rattus norvegicus). Ztschr. hyg. Zool. 39. 1951, 103—108.
- Johnston, C. D.**, The in vitro effect of DDT and related compounds on the succinoxidase system of rat heart. Arch. Biochem., Biophys. 31. 1951, 375—382.
- Jones, J. C.**, and **Bissell, T. L.**, Control rats and mice with warfarin. Maryland agric. Coll. Ext. Fact Sheet 12. 1951, 2 p.
- Kalman, H.**, und **Wachtendorf, W.**, Das Vorkommen der Birkenmaus (Sicista betulina) im Bayrisch-Böhmischen Wald. Zool. Jahrb., Abt. Syst., Ökol., Geogr. Tiere, 80. 1951, 123—131.
- Kersting, Bedrohliche Zunahme der Feldmäuse. Landw. Wochenbl. Westf. u. Lippe 108 A. 1951, 1494—1495.**

- Kinoshita, E., Ueda, M., and Kuwahata, T.**, (Study on the distribution of the field mice in Hokkaido.) Jap. Forestry Soc. Trans. 59. 1951, 163—164.
- Klauf, D.**, Rattenbekämpfungsaktion 1951. Saarl. Bauernbl. 5. 1951, 207—208.
- Klemm, M.**, Die Bisamratte (*Ondatra zibethica*) in Holland. Nachr.bl. dtsh. Pfl.schutzd., Berlin, NF. 5. 1951, 38.
- Klemm, M.**, Zur Verbreitung der Bisamratte (*Ondatra zibethica* L.) in der UdSSR. Nachr.bl. dtsh. Pfl.schutzd., Berlin, NF. 5. 1951, 214, 1 Karte.
- Kneiphoff, H.**, Neue Grundsätze bei der Rattenbekämpfung. Städtehygiene 2. 1951, 163—164.
- Korkhaus, R.**, Beitrag zur Rattenbekämpfung. Dtsch. tierärztl. Wochenschr. 58. 1951, 135—137.
- Krieg, H.**, Zur Wühlmausfrage. Schädlingsbekämpfung 43. 1951, 57—58, 2 Abb.
- Lancum, F. H.**, Wild mammals and the land. Minist. Agric., Fish., London, Bull. nr. 150. 1951, 60 p., fig.
- Lange, B.**, Vom Mäusekrieg in Moorriem und Ipwegger Moor. Landw.bl. Weser-Ems 98. 1951, 961—962.
- Lange, B.**, Werden die Feldmäuse wieder zur Landplage? Landw.bl. Weser-Ems 98. 1951, 893—894.
- McCowan, D.**, See how they run. [field mice in Canada] Family Herald, Wk. Star 82. 1951, nr. 12, p. 7.
- Macindoe, R. H. F.**, Rabbit control by myxomatosis. J. south austr. Dept. Agric. 54. 1951, 431—432.
- Maximow, A. A.**, (Felder als Aufenthaltsort der Brandmäuse.) Natur (Akad. Wiss.), Moskau, Nr. 3. 1951, S. 64—65.
- Mehl, S.**, Amtlich anerkannte Rattenfallen: Die Zwangspaffalle (Modell 1951) von A. Roith. Sdr. Bayer. Landesanst. Pfl.bau u. -schutz, München, Juni 1951. 2 S., 1 Abb.
- Mehl, S.**, Die Bekämpfung der Ratten mit Rauchgasen. Pflanzenschutz, München, 3. 1951, 113—116, 1 Abb.
- Mehl, S.**, Fortschritte in Technik und Organisation der Rattenbekämpfung auf dem Lande. Mitt. Biol. Zentralanst. Berlin-Dahlem H. 70. 1951, 136—139.
- Mehl, S.**, Gemeindeweise Rattenbekämpfung. Pflanzenschutz, München, 3. 1951, 4—7.
- Mehl, S.**, Wirksame Rattenbekämpfung — eine Erziehungsaufgabe. Städtehygiene 2. 1951, 186—187.
- Moiseev, A. E.**, (Measures for controlling the field mouse.) Sovet. Agron. 9. 1951, nr. 3, p. 92—94.
- Müller, F.**, Feldmausbekämpfung mit »Hartgas«. Anz. Schädl.kde. 24. 1951, 76—77.
- Müller, F. P.**, Über Ratten und Rattenbekämpfung. Kleingärtner u. Siedler 5. 1951, 183, 1 Abb.
- Mungomery, R. W.**, Warfarin — new rat poison. Queensland Bur. Sugar Exp. Stat. Cane Growers' Quart. Bull. 15. 1951, 13—14.
- Naftali, J.**, (The field-mouse infestation of our country in 1949—1950.) Hassadeh (hebr.) 31. 1951, 183—185.
- Nagel, H.**, Ein Bericht über die gezielte Rattenbekämpfung in Berlin 1950/51. Berliner Ges. Bl. 2. 1951, 178—179.
- Nagel, H.**, Rattenbekämpfung, wie sie der Schädlingsbekämpfer sieht. Schädlingsbekämpfung 43. 1951, 100—103.
- Naumov, N. P., Dukelskaja, N. M., et Dombrowskij, W. W.**, Nowye metody borby s obyknennymi polewkami. (Neue Methoden zur Bekämpfung der gemeinen Feldmäuse.) Sool. Shurnal 30. 1951, 466—476.
- Netto, A. P.**, (Rats and house rats.) Rev. Agron., Porto Alegre, 15. 1951, 88—90.
- Ortega, M.**, »Rax-warfarin«, el nuevo exterminador de ratas, ratones y toda clase de roedores. Tierra (Mexico) 6. 1951, 726—727.
- Pemberton, E. J.**, The rabbit in Victoria; control measures. J. Victoria Dept. Agric. 49. 1951, 127—134.
- Piechocki, H.**, Die Rattenbekämpfung 1950/1951. Berliner Ges. Bl. 2. 1951, 203—205.
- Price, M.-D.**, Advances in rodent control. [Dicumarin] Food 20. 1951, 210—214.
- Przygodna, W.**, Feldmausbekämpfung und Vogelwelt. Vogelwelt 72. 1951, 106—111.
- Quimby, C.**, The life history and ecology of the jumping mouse, *Zapus hudsonius*. Ecol. Monogr., Durham, 21. 1951, 61—95.
- Ramakrishnan, S. P., and Prakash, S.**, Susceptibility of the Indian garden squirrel (*Sciurus palmarum*) to *Plasmodium berghei* and its asexual periodicity. Nature, London, 167. 1951, 533.
- Ratcliffe, F. N.**, Area control of rabbits; suggestions for a practical policy. [in Australia] Past. Rev. 61. 1951, 379, 381.
- Reich, H.**, Wieder einmal Wühlmausschäden! Wohin führt die Nichtbefolgung von guten Ratschlägen und Verordnungen? Mitt. Mitgl. Obstbauvers.ring Altes Land usw. 6. 1951, 144—145.
- Roebuck, A.**, Observations on the wood-mouse (*Apodemus sylvaticus*). Ann. appl. Biol. 38. 1951, 722—724.
- Schein, M. W.**, Field test of the efficiency of the rodenticide Compound W.A.R.F. 42. Publ. Health Rept., Washington, 65. 1950, 368—372.

- Schiffel, M.**, Beobachtungen und Gedanken über Bestandsschwankungen der Rattenarten in einigen sächsischen Landkreisen. Schädlingsbekämpfung 43. 1951, 155—156.
- Schindler, U.**, Die Bekämpfung der Mäuse in den nordwestdeutschen Forstrevieren anlässlich einer Massenvermehrung 1949/50. Mitt. Biol. Zentralanst. Berlin-Dahlem H. 70. 1951, 139—140.
- Schindler, U.**, Die Mäusebekämpfung in Nordwestdeutschland anlässlich der Massenvermehrung im Herbst und Winter 1949/50. Forst und Holz 6. 1951, 7—9.
- Schleidt, W. M.**, Nest und »Zuflucht« bei Mäusen. Ztschr. Tierpsychol. 8. 1951, 137—140.
- Schleidt, W. M.**, Orientierende Versuche über die Heimkehrfähigkeit der Rötelmaus (*Evotomys glareolus ruttneri* Wettst.). Ztschr. Tierpsychol. 8. 1951, 132—137.
- Schmidt, H. W.**, Die stallhygienisch eingerichtete Bekämpfung der Ratten. Monatsh. Vet.-Med. 6. 1951, 115—117.
- Schulze, K.**, Meine Erfahrungen bei der Bekämpfung der Wanderratte. Höfchen-Briefe, Leverkusen, 4. 1951, 24—33.
- Schweicker, F.**, Neuzeitliche Rattenbekämpfung. Mühle, Detmold, 88. 1951, 638—639, 1 Abb.
- Steiniger, F.**, Das Familienleben der Wanderratte. Kosmos Nr. 1. 1951, 5—9.
- Steiniger, F.**, Die Lachmöve als Feldmaus-Jäger. Nachr.bl. dtsh. Pfl.schutzd., Braunschweig, 3. 1951, 89—92, 5 Abb.
- Steiniger, F.**, Neue Beobachtungen zur Frage der bakteriellen Nagetierbekämpfung. Mitt. Biol. Zentralanst. Berlin-Dahlem H. 70. 1951, 133—135.
- Steiniger, F.**, Revier und Aktionsraum bei der Wanderratte. Ztschr. hyg. Zool. 39. 1951, 33—50.
- Stickel, L. F.**, Wood mouse and box turtle populations in an area treated annually with DDT for five years. J. Wildlife Managem. 15. 1951, 161—164.
- Thompson, H. V.**, Rabbits and other rodents. Ann. appl. Biol. 38. 1951, 725—727.
- Tope, R.**, Rattenbekämpfung durch Wiesel. Städtehygiene 2. 1951, 164.
- Vick, F.**, und **Becker, K.**, Der bautechnische Rattenschutz. Schädlingsbekämpfung 43. 1951, 1—7, 6 Abb., 25—36, 23 Abb., u. 49—57, 6 Abb.
- Visser, D. F.**, Rat control for rural youth groups. Agric. Leaders' Digest 32. 1951, nr. 10, p. 8—9.
- Wettinger, R.**, Feldmäuse! Bad. landw. Wochenbl. 118. 1951, 204.
- Wichmand, P. H.**, Organisation de la lutte contre les rats au Danemark. [Ref.] Phytoma, Paris, 4. 1951, nr. 27—28, p. 34.
- Zieliński, Z.**, Piżmaki. (Bisamratten.) Lowiec Polski (8). 1951.
- Bekämpft die Feldmäuse!** Landw. Ztschr. Nord-Rheinprov. 118. 1951, 1115, 1 Abb.
- Der Fang der Wühlmäuse mit der Falle.** (Mitteilung des Pflanzenschutzamtes.) Württ. Wochenbl. Landw. 118. 1951, 72.
- Die Frühjahrsbekämpfung der Feldmäuse.** (Mitteilung des Pflanzenschutzamtes.) Württ. Wochenbl. Landw. 118. 1951, 113.
- Hazenschade.** Nederl. Jager 55. 1951, 461.
- Rattenbekämpfung kein Problem mehr.** Bauernbl. Schlesw.-Holst. 5./101. 1951, 1182. — Obstbau 70. 1951, 186.
- Vom Wühlmausbau und Maulwurfsbau.** Württ. Wochenbl. Landw. 118. 1951.
- Zwölf Tage zur Rattenbekämpfung.** Bauernbl. Schlesw.-Holst. 5./101. 1951, 1268.

Carnivora

- Mansfeld, K.**, Durch Dachse (*Meles meles* L.) vorge-
täuschter Wildschweinschaden. Nachr.bl. dtsh.
Pfl.schutzd., Berlin, NF. 5. 1951, 94—95, 1 Abb.

Artiodactyla

- Klemm, A.**, Schluß mit den Wildschäden. Neue Mitt.
Landw., Hannover, 6. 1951, 74.
- Naftali, J.**, (Damage caused to farming by wild boars.)
Hassadeh (hebr.) 31. 1951, 565—567.
- Oloff, H.-B.**, Zur Biologie und Ökologie des Wild-
schweines. Die biologischen und ökologischen Ur-
sachen der Schwarzwildmassenvermehrung und die
sich hieraus ergebenden Forderungen für die jagdliche
Bewirtschaftung des Schwarzwildes. Verlag Dr. P.
Schöps, Frankfurt/Main 1951. 95 S., 10 Abb. (Beitr.
Tierkunde u. Tierzucht Bd. 2).
- Schreier, O.**, Kulturschäden durch Wild. Bundesanst.
Pfl.schutz, Wien, Flugbl. 80. 1951, 2 S. — Pflanzen-
arzt, Wien, 4. 1951, Nr. 10, S. 4—5.
- Śliwiński, A.**, Szkody wyrzadzane przez zwierzynę.
[Wildschäden] Lowiec Polski (6—7). 1951, 3—5.
- Williams, W. K.**, Protect hardwood stands from grazing.
U.S. Dept. Agric. Leaf. 86. 1951, 8 p.
- Woelfle, M.**, Unsere Wildverbißschutzmittel. Allg.
Forstztschr. 6. 1951, 473.
- Krotka monografia dzika.** (Kurze Monographie des
Schwarzwildes.) Lowiec Polski (12). 1951, 3—4.

6. Virus

a. Allgemeiner Teil

General part — Partie générale

- Andrewes, C. H.**, Viruses and Linnaeus. *Acta path. Microbiol. Scand.* 23. 1951, nr. 3.
- Bawden, F. C.**, The multiplication of viruses. *Sci. Progr.* 39. 1951, nr. 153, p. 1—12.
- Bergold, G.**, Fortschritte und Probleme auf dem Gebiete der Insektenviren. *Zeitschr. angew. Ent.* 33. 1951, 267—278, 3 Abb.
- Boyd, J. S. K.**, »Excessive dose« phenomenon in virus infections. *Nature, London*, 167. 1951, 1061.
- Bridgman, G. H.**, and **Walker, J. C.**, The relation of southern bean mosaic to black root. *Phytopathology* 41. 1951, 865—871, 2 fig.
- Crafts, A. S.**, Movement of assimilates, viruses, growth regulators, and chemical indicators in plants. *Bot. Rev.* 17. 1951, 203—284.
- Gigante, R.**, Studio dei mezzi piu adatti alla difesa e alla lotta contro le malattie da virus... 1. Conf. int. Lutte contre Parasites Plantes 3.—6. 10. 1950 Rome. 1951, 362—366.
- Howles, R.**, Virus diseases. *Cheshunt Exp. Res. Stat. Rept.* 36 (1950). 1951, 26—34.
- Hull, R.**, The danger of virus yellows. *Farmer and Stockbreeder* 65. 1951, 87.
- Jähnl, G.**, Neue Methoden und Ergebnisse der Virusforschung. *Ber. Arb.tag.* 1951 österr. Saatz.leiter.
- Kennedy, J. S.**, Benefits to aphids from feeding on galled and virus-infected leaves. *Nature, London*, 168. 1951, 825—826, 2 fig.
- Kennedy, J. S.**, A biological approach to plant viruses. *Nature, London*, 168. 1951, 890—894.
- Limasset, P.**, Quelques nouveautés sur les méthodes d'extraction de certains virus. *Atti Soc. ital. Pat.*, Milano, 2. 1951, 911—917.
- Melchers, G.**, Einige Probleme der Virusforschung. *Ber. dtsh. bot. Ges.* 63. 1951, 18—23.
- Mulder, D.**, Het waar en waarom van virusziekten. *Tuinbouw* 6. 1951, nr. 1, p. 10—12.
- Pirie, N. W.**, Biochemistry Department. [virus] Rothamsted Exp. Stat. Rept. 1950. 1951, 79—81.
- Roos, M. J.**, (Standardized plants, virus diseases and disease resistance.) *Bloemisterij* 25. 1951, nr. 27, 4p.
- Rui, D.**, (Virus and deficiency diseases.) *Agric. Veronese (ital.)* 4. 1951, nr. 12, p. 3.
- Smith, K. M.**, Plant virus diseases. (Extr.) *Chem. Age* 64. 1951, 989—992.
- Smith, K. M.**, Recent advances in the study of plant viruses. *J. and A. Churchill Ltd.*, London 1951. 2. ed., VIII + 300 p., 52 fig.
- Takahashi, W. N.**, A comparison of methods for extracting tobacco mosaic virus from leaf tissue. *Phytopathology* 41. 1951, 903—907.
- Takahashi, W. N.**, A ground glass homogenizer for preparing virus samples from plant tissue. *Phytopathology* 41. 1951, 481—483, 1 fig.
- Troll, W.**, Das Virusproblem in ontologischer Sicht. *F. Steiner-Verlag, G. m. b. H.*, Wiesbaden 1951. 155 S., 40 Abb. (Abhandl. Ges.gebiet wiss. Bot.).

b. Virus und Wirtspflanzen

Virus and host plants

Virus et plantes attaquées

- Barker, J. S.**, and **Tauber, O. E.**, Development of green peach aphid as affected by nutrient deficiencies in a host, nasturtium. [*Myzodes persicae*] *J. econ. Ent.* 44. 1951, 125.
- Bennett, C. W.**, Vein yellowing caused by a mutant of the curly-top virus. *Phytopathology* 41. 1951, 935—936.
- Berkeley, G. H.**, Necrotic ring spot. *U.S. Dept. Agric. agric. Handb.* 10. 1951, 164—170.
- Bernstein, J.**, The perfect parasite — the virus; important progress in human medicine may result from investigation of the agencies causing tumors in plants. *Nat. Hist.* 60. 1951, 468—474.
- Black, L. M.**, Hereditary variation in the reaction of sweet clover to the wound-tumor virus. *Amer. J. Bot.* 38. 1951, 256—267.
- Ciferri, R.**, Segnalazione del mosaico di *Rumex* nei dintorni di Pavia. *Not. Mal. Piante* nr. 15. 1951, 97.
- Faan, H. Ch.**, and **Johnson, J.**, Strains of the cucumber-mosaic virus. *Phytopathology* 41. 1951, 11.
- Ferguson, I. A. C.**, Four virus diseases of solanaceous plants in Trinidad. *Plant Dis. Repr.* 35. 1951, 102—105.
- Frazier, N. W.**, Red leaf, an aphid-borne virus disease of filaree (*Erodium*). *Phytopathology* 41. 1951, 221—227, 2 fig.

- Holmes, F. O., Indications of a new-world origin of tobacco-mosaic virus. *Phytopathology* 41. 1951, 17, 341—349, 1 fig.
- Johnson, J., Tobacco mosaic virus mutation. *Science*, Lancaster, 114. 1951, 239—240.
- Larson, R. H., and Darby, J. F., Variation in virulence of potato virus Y isolates from different sources. *Phytopathology* 41. 1951, 23.
- Lihnell, D., Några värdväxter för Cucumis-virus 1, i Sverige. *Växtskyddsnotiser*, Stockholm, 15. 1951, 52—56, 7 fig.
- Nickell, L. G., Effect of certain dyes on the growth in vitro of virus tumor tissue from *Rumex acetosa*. *Bot. Gaz.* 112. 1951, 290—293.
- Roberts, D. A., Wilkinson, R. E., and Ross, A. F., *Chenopodium hybridum*, a local-lesion host for cucumber-mosaic virus. *Phytopathology* 41. 1951, 31.
- Ross, A. F., Production of ethylene by virus-infected plants. *Phytopathology* 41. 1951, 31.
- Ross, A. F., and Williamson, C. E., Physiologically active emanations from virus-infected plants. *Phytopathology* 41. 1951, 431—438, 3 fig.
- Steudel, W., Verbreitung und Epidemiologie der Vergilbungskrankheit und heutiger Stand der Bekämpfung. *Zucker* 4. 1951, 181—184.
- Storey, H. H., Virus diseases of crops in East Africa. *World Crops* 3. 1951, 385—386.
- Stover, R. H., Association in tobacco of the severe symptom response to etch virus and the white burley character. *Phytopathology* 41. 1951, 1125—1126, 1 fig.
- Van der Want, J. P. H., Reaction of some *Nicotiana* species to tobacco rattle virus. *World Tobacco Congr.*, Amsterdam, 1951 (Free Treatises), 133—139.
- Woods, M. W., and Du Buy, H. G., The action of mutant chondriogenes and viruses on plant cells with special reference to the plastids. *Amer. J. Bot.* 38. 1951, 419—434, 64 fig.
- Yarwood, C. E., Associations of rust and virus infections. *Science* 114. 1951, 127—128.
- c. Identifizierung, Mikroskopie und Reinigung**
Identification, microscopy and purification
Identification, microscopic et purification
- Ames, R. W., Vatter, A. E., Scholz, J. J., and Thornberry, H. H., Partial purification of carnation-mosaic virus. *Phytopathology* 41. 1951, 1.
- Baudet, J., Croissant, O., Dervichian, D. G., Joly, M., and Mossé, J., Variation of the size distribution of tobacco mosaic virus particles depending on the method of preparation. *Disc. Faraday Soc.* 11. 1951, 236—246.
- Bawden, F. C., Viruses: molecules or organisms? *Discovery* 12. 1951, 41—43.
- Bawden, F. C., and Nixon, H. L., The application of electron microscopy to the study of plant viruses in unpurified plant extracts. *J. gen. Microbiol.* 5. 1951, 104—109, 14 fig.
- Bergmann, M. E., Microscopic studies of inclusion bodies found in plants infected with tobacco mosaic virus. *Science* 113. 1951, 415—417.
- Bergmann, M. E., and Fankuchen, I., Inclusion bodies in plants infected with tobacco mosaic virus. *Science* 113. 1951, 415.
- Bergmann, M. E., and Fankuchen, I., X-ray diffraction studies of inclusion bodies found in plants infected with tobacco mosaic virus. *Science* 113. 1951, 415.
- Cochran, G. W., Laboratory studies of western-X virus preparations. *Phytopathology* 41. 1951, 936.
- Costa, A. S., and Franco, C. M., A virus technique useful to diagnose foliar deficiencies. *Plant Physiol.* 26. 1951, 625—628, 1 fig.
- Das Gupta, N. N., De, M. L., and Raychaudhuri, S. P., Structure of sannhemp (*Crotalaria juncea* Linn.) mosaic virus with the electron-microscope. *Nature*, London, 168. 1951, nr. 4264, p. 114, 1 fig.
- De Bruyn Ouboter, M. P., Beijer, J. J., en Van Slogteren, E., Diagnosis of plant diseases by electron-microscopy. *Antonie van Leeuwenhoek, J. Microbiol., Serol.* 17. 1951, 189—208, 17 fig.
- Giddings, N. J., A method of testing some plants for curly top. *Phytopathology* 41. 1951, 475—476.
- Gold, A. H., and Jensen, D. D., An electron microscope study of Cymbidium mosaic virus. *Amer. J. Bot.* 38. 1951, 577—578.
- Johnson, J., Virus particles in various plant species and tissues. *Phytopathology* 41. 1951, 78—93, 6 fig.
- Kausche, G.-A., and Lwowski, W., Elektro-optische Untersuchungen zum Problem der Aggregationszustände von Tabakmosaikvirus-Protein in Lösung. *Ztschr. Naturforsch.* 6b. 1951, 60—63, 6 Abb.
- Köhler, E., und Bode, O., Elektronenmikroskopische Untersuchungen des Tabakmosaikvirus. *Naturwissenschaften* 38. 1951, 431, 1 Abb.
- Leonard jr., B. R., Anderegg, J. W., Kaesberg, P., Shulman, S., and Beeman, W. W., On the size, shape, and hydration of southern bean mosaic virus and tobacco necrosis virus in solution. *J. chem. Physiol.* 19. 1951, 793—794.

- Martínez Cordón, F.**, Nuevos síntomas en el «dock mosaic» causados por el «Rumex virus 1». Microbiol. españ. 4. 1951, 109—114.
- Rosenzopf, E.**, Sind Eiweißspindeln Virus-Einschlußkörper? Phyton (Horn, N.-Oesterr.) 3. 1951, 95—101.
- Ruizhkov, V. L.**, (Electron-microscopy of the precellular forms of life.) Nature (russ.) 1951, nr. 9, p. 48—52, 5 fig.
- Schramm, G.**, und **Wiedemann, M.**, Größenverteilung des Tabakmosaikvirus in der Ultrazentrifuge und im Elektronenmikroskop. Ztschr. Naturforsch. 6b. 1951, 379—383, 9 Abb.
- Steere, R. L.**, Increment curves based on counts of virus particles in plant juices prepared by a new and simplified procedure for electron-microscopy. Phytopathology 41. 1951, 33.
- Steere, R. L.**, Virus increment curves based upon counts of particles in plant juice prepared by new and rapid procedures for electron-microscopy. [plants infected with tobacco mosaic and tomato bushy stunt viruses] Michigan Univ. Microfilm 11. 1951, 28—29 (Abstr.).
- Williams, R. C.**, und **Steere, R. L.**, Electron-microscopic observations on the unit of length of the particles of tobacco mosaic virus. J. amer. chem. Soc. 73. 1951, 2057—2061.
- d. Chemische und physikalische Eigenschaften**
Chemical and physical properties
Caractères chimiques et physiques
- Akune, S.**, (Studies on the potassium content of virus diseased bodies.) [mulberry tree, silk worms, tobacco] Kyushu Univ. Fac. Agric. Sci. Bull. 13. 1951, 149—153.
- Beard, J. W.**, Physical and chemical characteristics of viruses. Ann. Rev. Microbiol. 5. 1951, 265—276.
- Bennett, C. W.**, Interference phenomena between plant viruses. Ann. Rev. Microbiol. 5. 1951, 295—308.
- Brakke, M. K.**, und **Nickell, L. G.**, Secretion of α -amylase by Rumex virus tumors in vitro. Properties and assay. Arch. Biochem., Biophys. 32. 1951, 28—41.
- Commoner, B.**, und **Mercer, F.**, Inhibition of the biosynthesis of tobacco mosaic virus by thiouracil. Nature, London, 168. 1951, 113—114.
- Knight, C. A.**, Dinitrophenyl derivatives of some strains of tobacco mosaic virus. J. biol. Chem. 192. 1951, 727—731.
- Markham, R.**, und **Smith, J. D.**, Chromatographic studies of nucleic acids. 4. The nucleic acid of the turnip yellow mosaic virus, including a note on the nucleic acid of the tomato bushy stunt virus. Biochem. J. 49. 1951, 401—406.
- Pollard, E.**, und **Dimond, A. E.**, Effect of primary ionization on tobacco mosaic virus. Phys. Rev. 82 (ser. 2). 1951, 302.
- Singer, S. J.**, **Bald, J. G.**, **Wildman, S. G.**, und **Owen, R. D.**, The detection and isolation of naturally occurring strains of tobacco mosaic virus by electrophoresis. Science, Lancaster, 114. 1951, 463—465, 2 fig.
- Takahashi, W. N.**, Ultraviolet absorption as a measure of tobacco-mosaic virus nucleoprotein. Phytopathology 41. 1951, 142—145, 1 fig.
- Thung, T. H.**, en **Van der Want, J. P. H.**, Viren en looistoffen. (Viruses and tannins.) Tijdschr. Plantenziekten 57. 1951, 173—174.
- Williams, R. C.**, **Backus, R. C.**, und **Steere, R. L.**, Macromolecular weights determined by direct particle counting. II. The weight of the tobacco mosaic virus particle. J. amer. chem. Soc. 73. 1951, 2062—2066.
- e. Serologische Reaktion**
Serological reaction
Réaction sérologique
- Roland, G.**, Que penser de la recherche du virus X par voie sérologique dans les germes de pommes de terre? Parasitica 7. 1951, 148—150.
- Rozendaal, A.**, De betekenis van de serologie voor de pootgoedproductie. Pootaardappelhandel 4. 1951, 306—308.
- Stapp, C.**, und **Bartels, R.**, Der serologische Nachweis des X-Virus in Augenstecklingen. Nachr.bl. dtsh. Pfl.schutzd., Braunschweig, 3. 1951, 117—118.
- Stapp, C.**, und **Bartels, R.**, Ein weiterer Beitrag zum serologischen Nachweis des X-Virus in Kartoffeldunkelkeimen. (Vorläufige Mitteilung.) Nachr.bl. dtsh. Pfl.schutzd., Braunschweig, 3. 1951, 145—147.
- Swiezynski, K.**, A simplified serological test for the determination of virus X in potato plants. Acta Soc. Bot. Polon. 20 (1950). 1951, 513—521.
- f. Übertragung**
Transmission — Transmission
- Anderson, Ch. W.**, The insect vector relationships of the filaree red-leaf virus, with special reference to a latent-period difference between nymphs and adults in Macrosiphum geranicola (Lambers). Phytopathology 41. 1951, 699—708.
- Björling, K.**, **Lihnell, D.**, und **Ossiannilsson, F.**, Marking viruliferous aphids with radioactive phosphorus. Acta Agric. Scand., Stockholm, 1. 1951, 301—317, 5 fig.

- Broadbent, L.**, The epidemiology of aphid-borne virus diseases. 9. int. Congr. Ent., Amsterdam, 1951, VIII, 5.
- Chamberlain, E. E.**, and **Fry, P. R.**, Influence of method of tomato seed extraction on seed transmission of tobacco-mosaic and tomato streak. N. Zealand Journ. Sci. Techn. (A) 32. 1951, 19—23.
- Dudley jr., J. E.**, and **Bronson, T. E.**, Control of the pea aphid (*Macrosiphum pisi*) in the East. U. S. Bur. Ent., Plant Quar. EC—16. 1951, 10 p.
- Fischer, R. G.**, and **Sylverton, J. T.**, The cockroach (*Periplaneta americana*) as an experimental vector of coxsackie virus. Amer. J. trop. Med. 31. 1951, 238—242.
- Fulton, R. W.**, Superinfection by strains of tobacco mosaic virus. Phytopathology 41. 1951, 579—592, 3 fig.
- Heinze, K.**, Die Überträger pflanzlicher Viruskrankeheiten (eine tabellarische Übersicht). Mitt. Biol. Zentralanst. Berlin-Dahlem H. 71. 1951, 126 S.
- Hille Ris Lambers, D.**, De overwintering van de perzikbladluis (*Myzus persicae* Sulzer) als ei. Tijdschr. Plantenziekten 57. 1951, 128—129.
- Hobbs, G. A.**, Investigations on a cucumber virus mechanically transmitted from sour cherry. Phytopathology 41. 1951, 16.
- Hougas, R. W.**, Factors affecting sap transmission of the potato yellow-dwarf virus. Phytopathology 41. 1951, 483—493, 3 fig.
- Hutton, E. M.**, and **Peak, A. R.**, Inoculation techniques for studying the genetics of virus resistance in plants. J. austr. Inst. agric. Sci. 17. 1951, 193—198.
- Johnson, C. G.**, The study of wind-borne insect populations in relation to terrestrial ecology, flight periodicity and the estimation of aerial populations. Sci. Progr. nr. 153. 1951, 41—62.
- Johnson, C. G.**, and **Penman, H. L.**, Relationship of aphid density to altitude. Nature, London, 168. 1951, 337.
- Juliano, J. P.**, A study of the mosaic disease of abacá, or Manila hemp plant (*Musa textilis* Née) with special reference to sources of inoculum and possible transmission of the virus by mechanical means. Philippine Agric. 34. 1951, 125—132.
- Kennedy, J. S.**, Aphids and plant growth. [Aphis fabae, *Myzus persicae*] New Biol. 11. 1951, 50—65.
- Kunkel, L. C.**, Yellows diseases of plants. [Macrosteles divinus as vector] Bull. Torrey bot. Club 78. 1951, 269—270.
- McWhorter, F. P.**, Suggestions for transferring virus from local lesions to test plants. Phytopathology 41. 1951, 185.
- Maramorosch, K.**, Handy insect-vector cage. J. New York ent. Soc. 59. 1951, 49—50.
- Maramorosch, K.**, A simple needle for micro-injections. Nature, London, 167. 1951, 734.
- Miyakawa, T.**, and **Yoshii, H.**, (Transmission of tobacco mosaic virus by the dodder, *Cuscuta japonica* and its inhibitory effect on the virus activity.) Kyushu Univ. Fac. Agric. Sci. Bull. 12. 1951, 143—154, 3 fig.
- Savary, A.**, La lutte contre les pucerons en période de végétation. Rev. rom. Agric., Vitic., Arboric. 7. 1951, 35—38, 2 fig.
- Sprau, F.**, Zur Frage der Übertragung des Y-Virus der Kartoffel durch Samen. Pflanzenschutz, München, 3. 1951, 128—129.
- Sylvester, E. S.**, and **Simons, J. N.**, Relation of plant species inoculated to efficiency of aphids in the transmission of *Brassica nigra* virus. Phytopathology 41. 1951, 908—910.
- Valdes Barry, F.**, Pulgon verde (*Myzus persicae*) en tabaco, papas y hortalizas. Agrotecnia 5. 1951, 31—34.
- Walrave, J.**, Een eenvoudige methode voor de localisatie van insecten op bepaalde bladeren van een plant. (A simple method for localizing insects on special leaves of a plant.) Tijdschr. Plantenziekten 57. 1951, 126—127, 2 fig.
- Walters, H. J.**, Grasshopper transmission of three plant viruses. [tobacco mosaic, potato virus X, tobacco ringspot virus] Science 113. 1951, 36—37.
- Walters, H. J.**, A study of some relationships of certain plant viruses to the differential grasshopper, *Melanoplus differentialis* (Thos.). Nebraska Univ. Abs. Doct. Diss. 12. 1951, 49—55.
- Wolfe, H. R.**, and **Anthon, E. W.**, Western X-disease may be spread by more than one species of insect. Washington State hortic. Assoc. Proc. 47. 1951, 61—62.
- Yarwood, C. E.**, The phosphate effect in virus inoculations. Phytopathology 41. 1951, 945.

g. Bekämpfung, Inaktivierung und Desinfektion Control measures, inaction and disinfection

Lutte contre les maladies à virus, inactivation et désinfection

- Bawden, F. C.**, The control of virus diseases. Proc. int. Conf. Crop Prot. 1951.
- Bawden, F. C.**, Some aspects of the spread and control of plant virus diseases. Chem. and Ind. nr. 23. 1951, 435.
- Burger, W. C.**, and **Stahmann, M. A.**, The combination of lysine polypeptides with tobacco mosaic virus. J. biol. Chem. 193. 1951, nr. 1, p. 13—22, 4 fig.

- Hirayama, S.**, (Artificial immunization against tobacco mosaic disease by formalized virus.) (Forsch. Pfl.krankh.), Kyoto, 4. 1951, 35—45.
- Hirth, L.**, Contribution à l'étude de l'inhibition du virus de la mosaïque du tabac par diverses substances tanniques. Mode d'action de ces dernières. Ann. Inst. Pasteur, Paris, 80. 1951, 458—469.
- Hutton, E. M.**, Possible genotypes conditioning virus resistance in the potato and tomato. J. austr. Inst. agr. Sci. 17. 1951, 132—138.
- Jensen, J. H.**, Insect control will cut virus disease in plants. South. Seedsman 14. 1951, nr. 2, p. 24, 44—45, 47—48.
- Kennedy, J. S.**, Benefits to aphids from feeding on galled and virus infected leaves. Nature, London, 168. 1951, 825—826.
- Köhler, E.**, Untersuchungen zur Prämunitionsfrage. I. Das Vordringen von Virus aus der Sprossachse in das prämunite Blatt im Pfropfversuch. Phytopath. Ztschr. 17. 1951, 462—467.
- Köhler, E.**, Versuche zur Bekämpfung der Viruskrankheiten der Pflanzen mit chemischen Mitteln. 1. Conf. int. Lutte contre Parasites Plantes 3.—6. 10. 1950 Rom. 1951, 221—228.
- Leben, C., and Fulton, R. W.**, The inhibition of virus symptom expression by sodium azide, potassium cyanide, and two antibiotics. Phytopathology 41. 1951, 23.
- Lucardie, M.**, Remming van de vermeerdering van tabaksmozaïekvirus door een extract van de kernen van enkele palmsoorten. (Inhibition of the multiplication of tobacco mosaic virus by an extract of the kernels of some species of palms.) Tijdschr. Plantenziekten 57. 1951, 172—173.
- Matthews, R. E. F.**, Effect of some substituted purines on the development of plant virus infections. Nature, London, 167. 1951, 892—893.
- Newton, N.**, Some effects of high intensity ultrasound on tobacco mosaic virus. Science 114. 1951, nr. 2955, p. 185—186, 1 fig.
- Ninomiya, T., and Hino, I.**, Wide application of the 'copper-sulphate reaction' method in various fields of scientific researches. [virus] Bull. Fac. Agric. Yamaguti Univ. 2. 1951, 13—22.
- Pollard, E., and Dimond, A. E.**, Properties of tobacco mosaic virus determined by its inactivation deuterons. Phytopathology 41. 1951, 659.
- Rodríguez Sardiña, J.**, Examen de los medios de lucha contra los virus. Ensayos españoles de lucha química. Bol. Pat. veg. Ent. agríc., Madrid, 18 (1950). 1951, 129—132.
- Smith, K. M.**, Control of plant virus diseases. Fernhurst int. Conf. Proc. 1951, 72—84.
- Smith, K. M.**, The control of plant virus diseases. Statist 154. 1951, nr. 3850 (sup.), p. 33—36.
- Smith, K. M.**, Lutte contre les maladies à virus des plantes. Phytoma, Paris, 4. 1951, nr. 31, p. 17—18, 1 fig.
- Stahmann, M. A., Graf, L. H., Patterson, E. L., Walker, J. C., and Watson, D. W.**, The inhibition of tobacco mosaic virus by synthetic lysine polypeptides. J. biol. Chem. 189. 1951, 45—52.

h. Nomenklatur

Nomenclature — Nomenclature

- Klinkowski, M., und Baumann, G.**, Die Nomenklatur pflanzlicher Viroten. Nachr.bl. dtsh. Pfl.schutzd., Berlin, NF. 5. 1951, 121—128, 2 Abb.

III. Krankheiten und Wirtspflanzen

Diseases and host plants — Maladies et plantes attaquées

1. Vegetation und Kulturpflanzen im allgemeinen

Übersicht über das Auftreten von Pflanzenkrankheiten und Schädlingen

Vegetation and cultivated plants in general

Survey of the incidence of plant diseases and parasites

Végétation et plantes cultivées en général

Résumé de la fréquence des maladies végétales et de leurs parasites

a. Übersichten

Surveys — Résumés

Europa — Europe — Europe

Anerud, K., (Some common diseases and pests of plants.)
Växt-Närings-Nytt 6. 1951, nr. 5, p. 63—79.

Ayoutantis, A. J., Kortzas, C. B., et Pélécassis, E. D.,
Rapport sommaire sur les insectes et autres animaux
nuisibles observés en Grèce en 1950. Ann. Inst.
phytopath. Benaki 5. 1951, 15—17.

Bachmann, F., Vogel, W., und Blumer, S., Pflanzen-
schutznachrichten. Schweiz. Ztschr. Obst-, Wein-
bau 60. 1951, 261—263, 1 Abb., 280—282, 2 Abb.

Bernaux, P., Notes de pathologie végétale méditerrané-
enne. Rev. Path. vég. Ent. agric. France 30. 1951,
16—24, 5 fig.

Borg, Å., Några växtsjukdomar och skadedjur i Väster-
götland 1950. Växtskyddsnotiser, Stockholm, 15.
1951, 1—7, 3 fig.

Borzini, G., Aspetti attuali della fitopatologia in Italia.
Giorn. Ital. Agric. 36. 1951, nr. 37, p. 1.

Brandt, Schädlinge des Obst-, Garten-, Gemüsebaues
und der Landwirtschaft. Schreiber & Co., München
1951.

Colaco, A. T. F., (Man and insects.) [insects as pests
and beneficial insects] Bol. Geral Ultramar (Portu-
gal) 27. 1951, nr. 318, p. 357—373.

De Boer, K., Ziekten van plant en dier in het land-
en tuinbouwbedrijf. (Diseases of plants and animals
in agriculture and horticulture.) Vruchtbare Aarde
(Nederl. Ver. Bevord. biol.-dyn. Landb.-Methode) 9.
1951, 16—25.

Ellis, E. A., Flora and fauna of Norfolk. Miscellaneous
observations. Trans. Norfolk Norw. nat. Soc., Nor-
wich, 17. 1951, 136—143.

Elton, E. T. G., Overzicht insectenplagen 1950. Com.
Bestud. Bestrijd. Ins.plagen Bossen Meded. nr. 22.
[1951].

Ghillini, C. A., Considerazioni su alcuni casi fitopatolo-
gici osservati in Emilia nel 1950. Not. Mal. Piante
nr. 15. 1951, 68—81.

Goidanich, G., (Plant diseases in the economic life of
the people.) Italia agric. 88. 1951, 307—312.

Goidanich, G., Rassegna dei principali casi fitopatologici
osservati nel 1950. Ist. Pat. veg. Univ. Bologna
1951. 19 p.

Haber, A., Jakie szkodniki zwalczamy w lipcu, sierp-
niu, we wrześniu. (Welche Schädlinge bekämpfen
wir im Juli, August, September?) Las Polski 25.
1951, 24—27.

Härle, A., Die wichtigsten Krankheiten und Schädlinge
an Kulturpflanzen im Jahre 1950 im Bereich der
Bundesrepublik Deutschland. Nachr.bl. dtsh. Pfl.-
schutzd., Braunschweig, 3. 1951, 149—159.

Haginicolova, C., Starea actuală de răspândire a dăunăto-
rilor și boalelor culturilor agricole și mijloacele de
combateră lor în Republica Populară Bulgaria.
Congr. int. Fitopat., Ent., Prot. Plant., Bucuresti
(25. 7.—4. 8. 1949), 2. 1951, 157—165.

Hofsten, C. G. v., (Pests and plant diseases; some
interesting short films.) Lantmannen 35. 1951,
109—110.

Ianos, O., Istoricul protecției plantelor și al fitopato-
logiei maghiare și dezvoltarea acestora dela 1945
până în zilele noastre. Congr. int. Fitopat., Ent.,
Prot. Plant., Bucuresti (25. 7.—4. 8. 1949), 2. 1951,
132—136.

Jewstropow, I. I., (Die gegenwärtige Lage der Ver-
breitung von Schädlingen und Krankheiten der
landwirtschaftlichen Kulturpflanzen und die Ab-
wehrmaßnahmen in der Sowjetunion.) Congr. int.
Fitopat., Ent., Prot. Plant., Bucuresti (25. 7.—4. 8.
1949), 2. 1951, 290—299.

- Juraszek, H.**, Klucz do określenia chorób roślin uprawnych. Zeszyt 2. Choroby roślin motylkowych. (Key for the identification of diseases of cultivated plants. nr. 2. Diseases of Papilionaceae.) State Agric., Forestry Publ., Warsaw 1951. 67 p., 35 fig.
- Klemm, M.**, Das Auftreten der wichtigsten Krankheiten und Schädlinge der Kulturpflanzen im Jahre 1949 im Bereich der Deutschen Demokratischen Republik. Nachr.bl. deutsch. Pfl.schutzd., Berlin, NF. 5. 1951, Sdr.-H., 28 S., 1 Abb., 59 Kart.
- Klemm, M.**, Auftreten der wichtigsten Krankheiten und Schädlinge im Bereiche der DDR [in den einzelnen Monaten]. Nachr.bl. deutsch. Pfl.schutzd., Berlin, NF. 5. 1951, 119—120, 135—136, 1 Karte, 176—179, 3 Kart., 215 u. 236—238, 3 Kart.
- Lehmann, E.**, Seuchenzüge im Pflanzenreich. Orion-bücher 35. 1951, 74 S.
- Limasset, P.**, Aperçu de la pathologie végétale. Rev. Path. comp., Hyg. gén., Paris, 51. 1951, nr. 629, 6 p. (p. 397 ff.).
- Markovets, A.**, Vrediteli polevykh kul'tur i mery bor'by s nimi. (Pests of field crops and their control.) Akad. Nauk Belorusskoi USSR., Minsk 1951. 83 p.
- Medina Blanco, M.**, Parásitos de los vegetales más importantes desde el punto de vista ganadero. Bol. Zootecn. 7. 1951, 199—211.
- Melis, A.**, Elenco delle principali specie animali che hanno prodotto infestazione degne di nota in Italia durante l'anno 1950. »Redia«, Giorn. Ent., Firenze, 36 (2. Ser.). 1951, Appendice III—XVIII.
- Moore, W. C.**, Plant diseases in the United Kingdom. U. Nat. Sci. Conf. Conserv., Util. Resources Proc. 6. 1951, 325—327.
- Neergaard, P.**, Sygdomme og skadedyr på haveplanter. (Diseases and pests of garden plants.) Folkeuniversitetsudvalget, København, 1951, 16 p.
- Rjavechin, S. I.**, Cele mai noi realizări ale științei și practicei în domeniul carantinei plantelor agricole, in U. R. S. S. Congr. int. Fitopat., Ent., Prot. Plant., Bucuresti (25. 7.—4. 8. 1949), 2. 1951, 91—99.
- Russell, J.**, Wastage of world food supplies through diseases and pests. 1—2. (Excerpts.) Great Brit. Minist. Food Bull. 608. 1951, 3—6, 9—14.
- Sarejanni, J. A.**, et Démétriadès, S. D., Catalogue commenté nr. 2 des champignons et bactéries rencontrés sur les plantes cultivées en Grèce. Ann. Inst. phytopath. Benaki 5. 1951, nr. 1, p. 5—11.
- Sarejanni, J. A.**, Démétriadès, S. D., et Zachos, D. G., Rapport sommaire sur les maladies des plantes observées en Grèce en 1950. Ann. Inst. phytopath. Benaki 5. 1951, nr. 1, p. 12—14.
- Sarospataki, G.**, Situația boalelor și a dăunătorilor animali în Republica Populară Ungară. Congr. int. Fitopat., Ent., Prot. Plant., Bucuresti (25. 7.—4. 8. 1949), 2. 1951, 122—131.
- Săvulescu, A.**, et al., Situația actuală a repartiției boalelor și dăunătorilor plantelor agricole. Mijloacele de luptă contra acestora în Republica Populară Română. Congr. int. Fitopat., Ent., Prot. Plant., Bucuresti (25. 7.—4. 8. 1949), 2. 1951, 3—57, 14 fig.
- Schacht, F.**, Unsere Garten-Schädlinge. F. Schacht KG., Braunschweig 1951. 3. Aufl., 106 S., mit Farbtat.
- Schimitschek, E.**, Das Massenaufreten des amerikanischen Bärenspinners *Hyphantria cunea* (Drury) in Österreich. Mitt. forstl. Bundes-Vers.anst. Maria-brunn 47. 1951, 102—106.
- Shterenberg, P. M.**, (The fungal flora of field plants.) (Agrobiology), Moscow, 1951, nr. 4, p. 63—79, 3 fig.
- Sibilia, C.**, Costatazioni sullo stato attuale degli attacchi crittogamici in Italia e sui sistemi e mezzi da adottare per la loro prevenzione. 1. Conf. int. Lutte contre Parasites Plantes 3.—6. 10. 1950 Rome. 1951, 324—331.
- Sibilia, C.**, Costatazioni sullo stato attuale degli attacchi crittogamici nei diversi paesi e sui sistemi e mezzi da adottare per la loro prevenzione. 1. Conf. int. Lutte contre Parasites Plantes 3.—6. 10. 1950 Rome. 1951, 155—172.
- Stanković, A.**, et Bjegović, P., (Essais de lutte contre quelques insectes nuisibles aux plantes cultivées.) Plant Prot., Beograd, 1. 1951, nr. 3, p. 41—48.
- Steiner, H.**, Schädlinge in Haus, Hof und Garten. Kosmos 47. 1951, 33—35, 92—94, 133—135, 180—182, 226—229, 282—285, 467—470, 520—523, 569—571.
- Stojanovic, D.**, Bolesti i štetocine kulturnih biljaka. (Diseases and enemies of cultivated plants.) Zadružna Knjiga, Beograd 1951. 213 p.
- Vanderwalle, R.**, Observations et recherches effectuées à la Station de Phytopathologie de l'état pendant l'année 1950. Bull. Inst. agron. Stat. Rech. Gembloux 19. 1951, 155—164.
- Verona, O.**, (On the nature of damages produced in plants by adverse causes.) [fungus diseases] Humus (ital.) 7. 1951, nr. 10, p. 9—12.
- Vezin, Ch.**, Les enseignements à tirer de la dernière campagne de lutte contre les parasites. Phytoma, Paris, 4. 1951, nr. 29—30, p. 6—8, 4 fig.
- Wegorek, W.**, Situația răspândirii principalilor dăunători și boale ale plantelor agricole în Republica Polonă. Congr. int. Fitopat., Ent., Prot. Plant., Bucuresti (25. 7.—4. 8. 1949), 2. 1951, 137—152, 3 fig.
- Wilkins, V. E.**, Report of the working party appointed to consider the danger to European countries of pests and diseases which may be introduced from outside, and to recommend appropriate preventive measures. Paris 1951. 11 p.

- Auftreten von Pflanzenkrankheiten und -schädlingen in den Monaten Januar—März 1951.** Nachr.bl. dtsh. Pfl.schutzd., Braunschweig, 3. 1951, 76.
- Cartilla divulgadora de plagas del campo para esta provincia.** Dir. Gen. Agric., Jefat. Agron., Valladolid 1951. 3. ed., 119 p.
- Enige ziekten en plagen in cultuurgewassen in 1950 en hun bestrijding.** (Some diseases and pests of crops in 1950 and their control.) Versl. Meded. pl.t.ziekten-kdg. Dienst, Wageningen, 118. 1951, 120 p.
- Finland:** Department of Plant Pathology of Agricultural Research Centre: The most important diseases of crop plants in Finland. Maatalousk. kasvitautilasat. Tiedon. 5. 1951, 10 p.
- Månedsoversigt over plantesygdomme.** Stat. plantepat. Forsøg, København, 1951, nr. 316, 317, 318, 319, 320, 321, 322.
- Pflanzenschutzmeldediens.** Auftreten von Pflanzenkrankheiten und -schädlingen [in den einzelnen Monaten]. Nachr.bl. dtsh. Pfl.schutzd., Braunschweig, 3. 1951, 76, 94—95, 109—110, 123—124, 140—142, 158—159.
- Plantesygdomme i Danmark 1948 [og 1949].** Årsoversigt, samlet ved Statens plantepatologiske Forsøg. (Plant diseases and pests in Denmark 1948 [and 1949].) Tidsskr. Planteavl, København, 54. 1951, 1—61, 2 fig. — Stat. plantepat. Forsøg, København 1951. 81 p.
- Rassegna dei casi fitopatologici più notevoli osservati nel 1950.** Boll. Staz. Pat. veg., Roma, 9 (3. ser.). 1951, 215—240.
- Una riunione per lo studio delle malattie delle piante.** Giorn. Agric. 61. 1951, 156.
- Amerika — Asien — Afrika — Australien**
America — Asia — Africa — Australia
Amérique — Asie — Afrique — Australie
- Bazán de Segura, C.,** Plant diseases new to Perú. Plant Dis. Repr. 35. 1951, 465—466.
- Bird, R. D., and Mitchener, A. V.,** The more important insects of 1951 in Manitoba. Manitoba Ann. Conf. Agron. 18.—20. 12. 1951, 21.
- Bouriquet, G.,** Les maladies des plantes et la végétation à Madagascar. Rev. int. Bot. appl., Agric. trop. 31. 1951, 213—226, 1 fig.
- Brien, R. M., and Dingley, J. M.,** A revised list of plant diseases recorded in New Zealand. New Zealand Dept. sci. ind. Res. Bull. 101. 1951, 62 p.
- Brierley, Ph.,** New and unusual records of plant disease occurrence. Plant Dis. Repr. 35. 1951, 556.
- Buchholtz, W. F., and Wallin, J. R.,** Plant disease research and extension in Iowa. Plant Dis. Repr. Suppl. 203. 1951, 95—107.
- Burr, M.,** Field notes from Anatolia. VIII. Tahtali and Burdur. Ent. Rec., J. Variation 63. 1951, 14—16.
- Caldwell, R. M.,** Coordination of extension and research in plant pathology. U.S. Ext. Serv., Ext. Res. Relat. Viewpoints 1951, 12—16.
- Careshe, L.,** L'entomologie appliquée en Indochine. Agron. trop. 6. 1951, 81—82.
- Connors, I. L., and Savile, D. B. O.,** Thirtieth annual report of the Canadian plant disease survey, 1950. Canada Dept. Agric. sci. Serv., Div. Bot., Plant Path., 1951, 135 p.
- Crandall, B. S., Abrego, L., and Patiño, B.,** A check list of the diseases of economic plants of El Salvador, Central America Plant Dis. Repr. 35. 1951, 545—554.
- Deighton, F. C.,** Plant pathology section. Sierra Leone Dept. Agric. Rept. 1949. 1951, 14—16.
- Dimmock, A. W.,** Highlights of current disease research. South. Florist, Nurseryman 63. 1951, nr. 50, p. 11—12, 50—51.
- Do Amaral, J. F.,** Principle diseases of plants cultivated in the State of São Paulo and their respective treatments. Biológico, São Paulo, 17. 1951, 179—188.
- Edgerton, C. W.,** Research in plant pathology and botany at Louisiana State University. Plant Dis. Repr. Suppl. 206. 1951, 193—201.
- Fischer, G. J.,** Precisión de la medición y número de individuos en los ensayos fitopatológicos. Mexico Of. Estud. Espec. Fol. Misc. 4. 1951, 380—392.
- Fischer, G. W.,** Plant pathology in the State of Washington past, present, future. Plant Dis. Repr. Suppl. 200. 1951, 42—55, 1 fig.
- Foster, W. R., and MacSwan, I. C.,** Report of plant pathology branch. Brit. Columbia Dept. Agric. Rept. 1950. 1951, BB 18-BB 24.
- Garg, D. N.,** Some new diseases of economic plants in the Uttar Pradesh. Agric. Anim. Husb., Uttar Pradesh, 1. 1951, nr. 9, p. 12—14.
- Holmes, E.,** Factors limiting crop protection progress. [diseases and pests] Fert. Feed. Stuffs, Farm Supplies J. 37. 1951, 465—466.
- Ignacio, P. J.,** Las plagas, enfermedades y su combate. Campo, Tacuba, 19 (ser. 2). 1951, nr. 715, p. 72—74, 76, 78.
- Jannone, G.,** Una mostra fitopatologica nella Cornell University Ithaca, N.Y. (U.S.A.). Riv. Agric. subtróp., trop. 45. 1951, 121—133.
- Jeffers, W. F., Cox, C. E., Jehle, R. A., Weaver, L. O., Morgan, O. D., and Moore, J. E.,** Notes on occurrence of some plant diseases in Maryland during 1950. Plant Dis. Repr. 35. 1951, 385—386.

- Kalshoven, L. G. E., Van der Vecht, J., Sody, H. J. V., en Van Bommel, A. C. V.**, De plagen van de cultuurgewassen in Indonesië. In twee delen. W. van Hoeve, 's-Gravenhage/Bandoeng 1950—1951. 1065 p., 579 fig., 16 tab. col.
- Koch de Brotos, L., y Rufinelli, A.**, Normas para el envío de materiales para estudio, a los laboratorios de entomología, y de fisiología y patología vegetal. Uruguay Minist. Canad. Agr. Bull. Inform. 384. 1951, 19—20.
- Leyendecker jr., Ph. J.**, 1950 plant disease survey for New Mexico. Plant Dis. Repr. 35. 1951, 168—169.
- McNay, C. G.**, A summary of the more important insect infestations and occurrences in Canada in 1950. Ontario ent. Soc. 81th Ann. Rept. (1950). 1951, 106—126.
- Marchionatto, J. B.**, Influencia de las prácticas culturales en las enfermedades de las plantas. (Influence of cultural practices on plant diseases.) Alm. Minist. Agric. Nación, Buenos Aires, 1951—1952. 1951, 86—87.
- Martyn, E. B.**, Diseases of economic plants in Trinidad and Tobago. J. agric. Soc. Trinidad Tobago 51. 1951, 475—506, 6 tab.
- Moreau, C.**, Les maladies parasitaires des principales cultures coloniales. Revue bibliographique. VII, VIII. Rev. Mycol. (Suppl. Colon.) 10. 1951, 87—99; 11. 1951, 124—138.
- Muller, A. S.**, Reconocimientos fitopatológicos en América Latina y su importancia. Mexico Of. Estud. Espec. Fol. Misc. 4. 1951, 402—406.
- Nance, N. W.**, Some new and important plant disease occurrences and developments in the United States in 1950. Plant Dis. Repr. Suppl. 202. 1951, 70—91.
- Neiswander, R. B.**, Investigations of nursery insects during 1950. Ohio agric. Coll. Ext. Nursery Notes 20. 1951, nr. 3, 8 p.
- Newton, W.**, Plant pathology in Canada. Canad. phytopath. Soc. News 4. 1951, nr. 1, p. 3—6.
- Palti, J., and Minz, G.**, Estimation of the incidence and destructiveness of plant diseases. I. Terminology and outline of the technique of visual appraisal. II. Evaluation of estimates and uses of estimations. Israel Res. Council. Bull. 1. 1951, nr. 2, p. 76—97; nr. 3, p. 54—66.
- Perret, J.**, Les maladies et les parasites des plantes. Terres marocaines 25. 1951, 189—191.
- Piemeisel, R. L., Lawson, F. R., and Carsner, E.**, Weeds, insects, plant diseases, and dust storms. Sci. Mon., New York, 73. 1951, 124—128, 2 fig.
- Riquelme, J.**, La entomología económica en los Estados Unidos hace cuarenta años. Rev. Mexico Soc. Hist. Nat. 12. 1951, 263—289.
- Roger, L.**, Phytopathologie des pays chauds. Tome I. Encycl. Mycol., Paris, 17. 1951, nr. 1, 126 p., 154 fig., 2 tab. geogr.
- Salmon, S. C.**, Forecasting the occurrence of diseases and insects in Japan. Plant Dis. Repr. 35. 1951, 251—254.
- Schaefer, E. E.**, Plant diseases. Farming South Afr. 26. 1951, 36.
- Stoner, W. N.**, A list of some of the plant diseases occurring in everglades region of Florida during the 1949—1950 season. Plant Dis. Repr. 35. 1951, 170—172.
- Sumstine, D. R.**, Some plant diseases in western Pennsylvania easily recognized, Trillia 11. 1951, 137—141.
- Tidman, D. A.**, Some agricultural and horticultural problems in Brazil. [insect pests and plant diseases] Plant Prot. Overseas Rev. 2. 1951, 20—32.
- Whitnall, A. B. M.**, The fight against some important insect pests in South Africa. Plant Prot. Overseas Rev. 2. 1951, nr. 2, p. 10—14.
- Williams, P. H., Ebben, M., Read, W. H., Smith, R. J., Howles, R., Messing, J. H. L., Owen, O., and Massey, D. M.**, Plant diseases. Chemical investigations. Cheshunt agric. Exp. Res. Stat. Rept. 1950. 1951, 20—34, 57—61, 2 fig.
- Wingard, S. A.**, The role of plant pathology in Virginia agriculture. Plant Dis. Repr. Suppl. 200. 1951, 36—41.
- Wright, J.**, Investigations 1949—1950. Jamaica Dept. Agric. Bull. 47 (n. ser.). 1951, 127.
- Young, P. A., and Watkins, G. M.**, History of plant disease research in Texas. Plant Dis. Repr. Suppl. 200. 1951, 30—35.
- Australia:** Insect pests. Agric. Gaz. New South Wales 62. 1951, 187—190.
- Australia:** Insect pest survey for the year ending 30th June, 1950. New South Wales Dept. Agric., Biol. Branch, Sydney 1951, 52 p.
- Australia:** New plant diseases. Agric. Gaz. New South Wales 62. 1951, 414.
- Australia:** Plant disease notes. Austr. Plant Dis. Record 3. 1951, 1—15.
- Australia:** Plant diseases. Agric. Gaz. New South Wales 62. 1951, 305—309, 7 fig.
- Australia:** Plant disease survey for the twelve months ending 30th June, 1951. New South Wales Dept. Agric., Biol. Branch, Div. sci. Serv. Ann. Rept. 20. 1951, 53 p., 1 tab. geogr.
- The Canadian** insect pest review. Canada Dept. Agric. sci. Serv., Div. Ent., 29. 1951, 264—301.

Esquisse d'un tableau synoptique de la défense des cultures en Afrique du Nord. Élevage et Cult. 3. 1951, nr. 27, p. 11, 13, 15—18; nr. 28, p. 17.

Insect pest survey; summary of insect conditions in 1950. U.S. Dept. Agric., Bur. Ent., Plant Quar. 1951?, 28 p.

Liste des insectes nuisibles aux cultures au Liban. Lebanon Serv. Rech. agric., Beyrouth, 1951, 47 p.

Montana insect pests, 1949—1950; thirty-third report of the State entomologist. Montana agric. Exp. Stat. Circ. 474. 1951, 35 p.

Nouvelles études sur divers insectes nuisibles aux cultures. Lebanon Serv. Rech. agric., Beyrouth, 1951, divers p.

b. Einzelne Gruppen von Krankheiten und Schädlingen

Single groups of diseases and parasites

Groupes spéciaux de maladies et de parasites

Bertels, A., (Attempts at the control of underground pests.) [insects] Rev. Agron., Porto Alegre, 15. 1951, 60—67.

Borg, Å., Masshärjningar av harkrankar 1951. [Tipula paludosa och T. oleracea] Växtskyddsnotiser, Stockholm, 15. 1951, 93—96, 1 fig.

Boshko, M. P., (Vergleichsuntersuchungen von Blattläusen (Aphidoidea) an Laubwaldrändern und Feldschutzbereichen.) (Ent. Übersicht), Moskau u. Leningrad, 31. 1951, 404—410, 1 Abb.

Brauns, A., Das Auftreten wirtschaftlich schädigender und wirtschaftlich nützlicher Arthropoden in Nord-u. Mitteleuropa. Abh. naturwiss. Verl. Bremen 32. 1951, H. 3, S. 361—390.

Bruehl, G. W., Root rot in cereals and grasses. South Dakota Farm, Home Res. 2. 1951, 76—79.

Buchwald, N. F., Forelaesninger over havebrugsplanternes sygdomme. (Lectures on the diseases of garden plants.) II. [fungus diseases] Kungl. Vet., Landbouwhøjsk., Frederiksberg 1951. 276 p.

Cartwright, C. A., Know the rust diseases. Horticulture 29. 1951, 58, 67.

Chambers, V. H., The larva and food-plant of Rhagoaster chamberi Benson (Hym., Tenthredinidae). Ent. monthly Mag., London, 87. 1951, 202—205.

Christie, J. R., A root disease of plants caused by a nematode of the genus Trichodorus. Science n. ser. 113. 1951, 491—493.

Cohen, M., Agricultural entomology in the Northern Province. [Control of pests of cereal and root crops] Agric. Progr. 26. 1951, 41—46.

Davidsson, I., Rannsóknir á groðursjúkdómum. Investigations on crop diseases.) Ríkisprentsmiðjan Gutenberg, Reykjavík, 1951, 21 p.

Earhart, R. W., Small grain diseases were light in the Southeastern Coastal Plain 1950—51. Plant Dis. Repr. 35. 1951, 443—444.

Essig, E. O., and Metcalf, R. L., Current entomology research; continuous study aims at discovery and control of all insects and mites harmful to agriculture in California. Calif. Agric. 5. 1951, nr. 8, p. 8—11, 16.

Fenne, S. B., Diseases of forage crops. Virginia agric. Coll. Ext. Bull. 188. 1951, 22 p.

Fracanzani, G. A., (Hail and rust.) [Puccinia graminis on wheat and Pseudomonas tabaci on tobacco] Genio rur. [ital.] 14. 1951, 429—432.

Freiberg, M. A., Mariposas perjudiciales a los cultivos. Campesino, Santiago, 83. 1951, nr. 7, p. 23—25.

Gallo, D., (Grubs or aphids.) Selec. Agr. (portug.) 6. 1951, nr. 68, p. 67—68.

Gatin, A., Le Ramularia dans les régions à pyrèthre du Kivu. [Ramularia bellunensis] Cour. Agr. 16. 1951, nr. 19, p. 2—3.

Glendenning, R., An unusual cutworm outbreak. Proc. ent. Soc. Brit. Columbia 47. 1951, 24.

Goidànich, G., Che cosa è una malattia crittogamica. Giorn. Agric. 61. 1951, 182.

Gonçalves, L. I., (Plant lice on crops.) Lavoura (portug.) 55. 1951, 25.

Gould, G. E., Control of root maggots and other subterranean insects. Amer. Assoc. econ. Ent., North Cent. States Branch, Proc. 6. 1951, 14—15 (Abstr.).

Gyriseo, G. G., Burrage, R. H., Hopkins, L., Marshall, D. S., and Muka, A. A., Hessian fly survey at harvest time in western New York, 1950. Ontario ent. Soc. Ann. Rept. 81 (1950). 1951, 104—106.

Haskell, R. J., Cooperation needed in the fight against seed-borne diseases. Int. Seed Testing Assoc. Proc. 16 (1950). 1951, 276—285.

Hudault, E., Le mildiou des Solanées. Voix Colons, Algeria, 33. 1951, nr. 1626, p. 1, 3.

Hugé, T. L., Insects and rodents in food plants. Ohio State Univ. Abstr. Mater. Dairy Techn. Conf. 18. 1951, 10—11.

Iakhontov, V. V., (Oxythyrea cinctella Schaum — omnivorous pest of field, fruit and ornamental plants in Middle Asia.) Vsesoiuzn. Akad. Sel'skhoz. Nauk Dokl. 16. 1951, nr. 6, p. 25—28.

Iizima, K., and Nakata, M., (Note on the distribution of fall webworm (Hyphantria cunea) in Japan 1951.) Oyo-Kontyu 7. 1951, 134.

Indart, H. N., Algunas de las plagas de nuestro país son especies exóticas que se han multiplicado. [insect pests, wildlife in Argentina] Mundo Agric. 3. 1951, nr. 29, p. 14—16.

- Jehle, R. A., Jenkins, A. E., and Jeffers, W. F., Spot anthracnoses known in Maryland and their distribution by counties. *Plant Dis. Repr.* 35. 1951, 194—199, 2 fig. — *Phytopathology* 41. 1951, 562.
- Jenkins, A. E., and Bitancourt, A. A., Notes on spot anthracnoses and related subjects. IV. Spot anthracnose suspects among «Major Agricultural Crops». *Plant Dis. Repr.* 35. 1951, 463—464.
- Jørstad, I., (Introductory review of rust fungi on grain and grass.) [in Scandinavia] *Nord. Jordbr.forskn.* 2/3. 1951, 465—472.
- Krishnamurti, B., and Appanna, M., Occurrence, distribution and control of major insect pests of some important crops in Mysore. *Mysore agric. J.* 27. 1951, 1—23.
- Lange, W. H., Report on control of wireworms, leafminers, seed corn maggot, cabbage maggot and cabbage seedpod weevil. *Agric. Bull. (Shell) ADB.* 125. 1951, 5 p., 2 fig.
- Le Pelley, R., Observations on the chafer grub — a serious pest of wheat, maize, flax and other crops in Kenya. [Schizonycha] *East afr. agric. J.* 17. 1951, 69—79, 6 fig.
- Lorensson, A., (Plusia gamma on Gotland.) [damage to field crops] *Lantmannen* 35. 1951, 630, 640.
- McNay, C. G., A regional review of insects of the season 1950. *Canada Dept. Agric. (Sci. Serv., Div. Ent.) Insect Pest Rev.* 29. 1951, nr. 1, 109 p.
- Malmus, N., Der Schädlingsebefall im Altmühltal im Vergleich zu anderen Lagen unter besonderer Berücksichtigung der Maikäferengerlinge (Melolontha). *Landw. Jahrb. Bayern* 28. 1951, Nr. 3—4, S. 103—114.
- Maury, R., and Mauro, J., Le brenner en Champagne. [Deuterophoma tracheiphila] *Minist. Agric. France Bull. Techn. Inf.* 56. 1951, 139—143.
- Medvedev, S. I., (April cockchafer (Rhizotrogus aequinoctialis Hrbst.) — pest of tree nurseries in the steppe zone.) *Zool. Zhurnal* 30. 1951, 66—68.
- Menzies, J. D., and Nelson, C. E., The effect of sprinkler irrigation on the spread of certain plant diseases. *U. S. Bur. Plant Ind., Soils, agric. Engin. Div. Soil Mangt., Irrig. Res. Rept.* 206. 1951, 8 p.
- Miller, L. W., Kjar, N. A. M., and Martyn, E. J., The army worm (Sideridis [Persectania] ewingi) in Tasmania; preliminary report of outbreak in 1950—51. *Tasmanian J. Agric.* 22. 1951, 251—257.
- Nonveiller, G., Dudovac — nova štetočina za Jugoslaviju. (Hyphantria cunea Drury, un nouvel ennemi des cultures en Yougoslavie.) *Saschita Bilja (Plant Prot.)*, Beograd, nr. 3. 1951, 87—95.
- Nunberg, M., Występowanie chrabaszca na terenach Polski. (Das Auftreten des Maikäfers in Polen.) *Inst. Badawczy Lesn., Warschau*, nr. 66. 1951, 43 p., 3 tab. geogr.
- Pagliano, T., Les ennemis des vergers, des olivettes et des palmeraies. *Off. Exp. Vulg. agric., Tunis* 1951, [1+] 366 + V [1+] p., 170 fig.
- Pauck, P., Die Schneckenplage in Feld und Garten. *Landw. Wochenbl. Westf. u. Lippe* 108 A. 1951, 1362.
- Peking, F., Über Fraßarten und -bilder der Raupen. *Ent. Ztschr.* 61. 1951, 67—69.
- Petrik, C., und Petrik, A., (Hyphantria cunea Dr. in Vovvodina in 1951.) *Saschita Bilja (Plant Prot.)*, Beograd, nr. 8. 1951, 55—69.
- Pospelova, V. M., (Data in regard to studying the injurious insect fauna of agricultural crops of Asino district, Tomsk region.) *Gosud. U. V. V. Kuibysheva, Tomsk, Trudy* 114. 1951, 273—278.
- Rego, C. V., Gomes, J. G., y Alvim, G. B., Doenças e pragas das plantas de horta. (Diseases and pests of garden plants.) *Brazil. Serv. Inform. Agric., Rio de Janeiro*, 2. ed. 1950—1951.
- Risbec, J., Addition à l'article: les Hispidæ des plantes cultivées. *Rec. int. Bot. appl., Agric. trop.* 31. 1951, 342.
- Rui, D., La leptonecrosi dilaga. *Inform. Agr.* 7. 1951, nr. 10, p. 4.
- Savile, D. B. O., and Connors, I. L., The rusts of Armeria and Limonium in North America. [Uromyces] *Mycologia, Lancaster*, 43. 1951, 186—195.
- Schimitschek, E., Das Massenaufreten des amerikanischen Bärenspinners Hyphantria cunea (Drury) in Österreich. *Mitt. forstl. Bundes-Versuchsanst. Mariabrunn* 47. 1951, 102—106, 5 Abb.
- Sevastopulo, D. G., Field notes from East Africa. 5. [Lepidoptera observations] *Entomologist* 84. 1951, 67—68.
- Skarbilowitsch, T. S., (Nematodenkrankheiten der landwirtschaftlichen Kulturpflanzen.) *Staatsverl. Landw., Moskau* 1951. 54 S., 35 Abb.
- Sterenber, P. M., (Die Pilzflora der Wurzeln der Feldpflanzen.) *Agrobiologija (russ.)* nr. 4. 1951, 63—79.
- Utida, S., Kono, T., Watanabe, S., and Yoshida, T., (Pattern of special distribution of insects. I. On the common cabbage worm, Pieris rapae L. II. On the 28-spotted lady beetle, Epilachna sparsa orientalis Dieke. III. On the larvae of the rice stem borer, Chilo simplex Butler. IV. Experimental studies on the processes of insect dispersion.) *Oyo-Kontyu* 7. 1951, 89—91 (Abstr.).
- Vaheeduddin, S., Short note on wheat rust and diseases on other crops in Hyderabad State. *Plant Prot. Bull.* 3. 1951, 121—122.
- Vallin, H., (Pholiota vahlii (Schum.) Sev. Pet. and Boletus parasiticus (Bull.) Fr., found in the Hälsingborg area.) *Bot. Notiser* 4. 1951, 401—402.

Vasudeva, R. S., Incidence of important diseases in some of the important economic crops at the Indian Agricultural Institute and its sub-station at Karnal during 1950—51. [fungus diseases] Dec. 1951.

Wallace, G. B., and **Wallace, M. M.**, Tanganyika fungus list: Recent Records No. XV. [includes bacterial and virus diseases] Tanganyika Dept. Agric. mycol. Circ. 31. 1951, 6 p.

Walther, R., Erneutes starkes Auftreten von *Tropinota hirta* in Blüten von Nutz- und Zierpflanzen. Anz. Schäd.kunde 24. 1951, 181—182, 1 Abb.

Walton, R. R., and **Ashdown, D.**, Control of insects infesting commercial green crops in Oklahoma. Oklahoma agric. Exp. Stat. Mimeogr. Circ. M—212. 1951, 8 p.

Wells, J. C., and **Hebert, T. T.**, Small grain diseases in North Carolina. North Carolina agric. Coll. Ext. Circ. 347. 1951, 31 p.

Wettinger, Wer schädigt Feld und Speicher? Bad. landw. Wochenbl. 118. 1951, 415.

Williams, C. B., Seasonal changes in flight direction of migrant butterflies in the British Isles. J. anim. Ecol. 20. 1951, 180—190.

Distribution maps of plant diseases. [fungi] Commonw. mycol. Inst., Kew, Maps nr. 217—240. 1951, per nr. 2 p., 1 tab. geogr.

Fusarium wilts and root rots. New South Wales Dept. Agric. Plant Dis. Leaf. 47. 1951, 6 p.

Insectes nuisibles aux plantes de grande culture. Rev. rom. Agric., Vitic., Arboric. 7. 1951, 14.

Insect pests. [*Listroderes costirostris obliquus*, *Hemitarsonemus latus*, *Eurytoma fells*] Agric. Gaz. New South Wales 62. 1951, 251—255.

The most important diseases of crop plants in Finland. Maatalousk. Kasvitaust. Tiedon., Tikkurila, nr. 5. 1951, 8—10.

Seed-borne diseases. Gard. Chron. 130. 1951, 107.

2. Getreide Cereals — Céréales

a. Allgemeiner Teil General part — Partie générale

Atkins, I. M., and **Coffman, F. A.**, Mustang, a hardy new winter oat. Agron. J. 43. 1951, 287—291, 2 fig.

Baldacci, E., **Ciferri, R.**, e **Fabris, A.**, Ricerche ed esperienze sulle malattie del riso. VII. La concimazione azotata in relazione alla patologia del riso e alla sindrome indicata come »lussuria«. (Researches and experiments on the diseases of rice. VII. Nitrogenous fertilizer in relation to the pathology of rice and to the syndrome known as »lussuria«.) Atti Ist. bot. Univ. Pavia (ser. 5) 8. 1951, 243—269.

Bayles, B. B., and **Taylor, J. W.**, Wheat production in the eastern United States. [diseases] U. S. Dept. Agric. Farmers' Bull. 2006. 1951, 50 p., 16 fig., 13 tab. geogr.

Birdsall, J. E., and **Wilson, A. M.**, Hints for growers of registered and certified seed grain. Alberta Dept. Agric., Field Crops Br., Edmonton 1951, 5 p.

Bremer, H., Aus dem Pflanzenschutz in der Türkei. [Getreide und Hülsenfrüchte] Gesunde Pflanzen 3. 1951, 192—194 u. 224—225.

Christensen, J. J., and **Michaelson, M. E.**, Diseases of cereals and flax in Minnesota. Minnesota Seed Grower 24. 1951, nr. 4, p. 1, 3.

Cunningham, J. C., Maize bibliography for the years 1937 to 1945, inclusive. Contrib. Iowa Corn Res. Inst. 3. 1951, 194—298.

Deodikar, G. B., Sorghum versicolor Anderss — a species highly resistant to striga. Curr. Sci. 20. 1951, 135—136.

Derick, R. A., A new variety of oats for eastern Ontario. [Lanark C. A. N. 733, disease resistant] Sci. Agric., Ottawa, 31. 1951, 176.

De Vay, J. E., Free amino-acids in sound and moldy wheat. Progr. 36th Ann. Meetg. amer. Assoc. Cereal Chem. 1951, 31—32.

Fujikawa, T., (Differences of resistance among varieties for rice.) Jap. J. Plant Prot. 20. 1951, 64—66.

Gorlenko, M. V., Bolezni pshenitsy. (Wheat diseases.) Gos. Izd-vo Selkhoz. Lit-ry, Moskva 1951. 253 p.

Hamilton, D. G., Breeding new varieties of wheat and oats in Canada. [disease resistance] Ztschr. Pfl.-züchtg. 30. 1951, 10—17.

Hanna, W. F., **Peterson, R. F.**, and **Anderson, J. A.**, How are new wheat varieties tested? Rev. agric. Inst. [Canada] 1951, 7 p., 7 fig.

Hashioka, Y., A list of papers on the rice diseases. Saitama 1951. 2 p.

Hashioka, Y., (Studies of rice plant disease abroad.) Jap. J. Plant Prot. 24. 1951, 23—30.

Hastings, L., Rice pathogens found in Costa Rica. Mexico Of. Estud. Espec. Fol. Misc. 4. 1951, 99—107.

Hess, N., und **Mrkos, G.**, Beobachtungen über Standfestigkeit bei Winterweizen. Ztschr. Pfl.-züchtg. 30. 1951, 415—417, 4 Abb.

Hukano, H., and **Yokoyama, S.**, (Studies on the white tip of rice plant, with special reference to the damage and varietal resistance.) Kyushu Noji Shikinjo 8. 1951, 89—90.

- Ikata, S.**, The diseases of food crops. No. 1. Rice plant and beans. (Series of plant pathology No. 6). Tokyo, Asakura Shoten, 1951, 2 + 12 + 320 p., 95 fig., 26 tab.
- Iwakiri, F.**, (Control of rice plant diseases by dust.) *Jap. J. Plant Prot.* 23. 1951, 23—26.
- Johnson, T.**, Diseases of cereals and grasses in North America. Ronald Press Co., New York 1950. XVI + 538 p., 81 fig.
- Jordan, R. H.**, Sick wheat damage. *Grain, Reed J. consolid.* 107. 1951, nr. 7, p. 12, 14, 16.
- Josephson, L. M., and Reid, D. A.**, Variety tests of wheat, oats, barley, and corn in the Pennyroyal area of Kentucky, 1946—50. *Kentucky agric. Exp. Stat. Bull.* 569. 1951, 31 p.
- Karper, R. E.**, Registration of sorghum varieties, VI. [disease resistance] *Agron. J.* 43. 1951, 243.
- Koehler, B.**, Husk coverage and ear declination in relation to corn ear rots. *Phytopathology* 41. 1951, 22.
- Lavrov, N. N.**, (Diseases of grain crops in Tomsk region and measures for controlling them.) *Gosud. Univ. im. V. V. Kuibysheva, Tomsk, Trudy* 114. 1951, 125—130.
- Le Conte, J.**, Réunion des experts du maïs à Clermont-Ferrand (23 au 27 janvier 1951). (Conference of maize experts at Clermont-Ferrand 23rd to 27th January, 1951.) *Agron. trop.* 6. 1951, 179—185.
- Leukel, R. W., Martin, J. H., and Lefebvre, C. L.**, Sorghum diseases and their control. U.S. Dept. Agric. *Farmers' Bull.* 1959 (rev.). 1951, 50 p.
- Ling, L.**, Review of information on certain diseases of rice. *FAO., Rome, Pap. Agric.* 14. 1951, 54—66.
- Livingston, J. E.**, Effect of controlled low temperature on the emergence of seedlings from artificially dried seed corn. *Phytopathology* 41. 1951, 24.
- Nikitenko, G. F.**, (A case of mass branching of the spike in winter rye.) *Agrobiologičeskij (russ.)* 3. 1951, 135—136.
- Osorio A., F.**, Las principales plagas del maíz encontradas en los campos experimentales de la Comisión del Maíz durante 1950. *Mexico Ofic. Estud. Esp. Fol. Misc.* 4. 1951, 30—34.
- Pendleton, J. W., Dungan, G. H., Koehler, B., Bigger, J. H., Lang, A. L., Jungenheimer, R. W., and McKibben, G. E.**, Illinois tests of corn hybrids in wide use in 1950. [diseases] *Bull. Illinois agric. Exp. Stat.* nr. 544. 1951, 103—136, 1 fig., 1 tab. geogr.
- Rosen, H. R.**, Oat diseases in Arkansas 1949—50. *Plant Dis. Repr.* 35. 1951, 149—151.
- Săvulescu-Mamulea, O.**, Bolile porumbului și combaterea lor. [Maiz] *Inst. Cerc. Agron. Română Indrumări tehnice* nr. 17. 1951, 18 p., 9 fig.
- Schipstra, K.**, Ziekten, beschadigingen en onkruidbestrijding in maïs. *Nieuwe Veldbode* 17. 1951, 486—487.
- Scossiroli, R.**, Influenza del «nanismo epidemico» del maïs sulla composizione chimica delle cariossidi e considerazioni sulla natura della malattia. (Influence of «epidemic dwarfing» of maize on the chemical composition of the kernels and considerations on the nature of the disease.) *Not. Mal. Pianta* nr. 15. 1951, 9—13.
- Scotti, T.**, Ulteriori prove sull'effetto stimolante sui ferminelli di riso dei prodotti mercuriorganici e tiuramici usati come concimi. *Not. Mal. Pianta* nr. 14. 1951, 44.
- Shevchenko, F. P.**, (Inheritance of resistance to diseases of winter wheat varieties.) *Selektsiia i Semenovodstvo (Selection and Seed Growing)* 18. 1951, nr. 4, p. 7—11.
- Stanton, T. R., and Coffman, F. A.**, Winter oats for the south. [disease resistance] *U.S. Dept. Agric. Farmers' Bull.* 2037. 1951, 1—19, 8 fig.
- Thomas, Schädlingbekämpfung beim Getreide.** *Dtsch. Landw.* 2. 1951, 275.
- Thomas, I.**, New cereal varieties in Australia. [disease resistance] *J. Agric. West. Austr.* 28 (ser. 2). 1951, nr. 1, p. 32—33.
- Timofeeva-Tjulina, M. T.**, (Die Winterhärte von Weizen-Quecke-Bastarden.) *Selektsiia i Semenovodstvo (russ.)* 18. 1951, nr. 7, p. 12—20.
- Tullis, E. C.**, Diseases of rice. *U.S. Dept. Agric. Farmers' Bull.* 1854. 1951, 16 p.
- Ullstrup, A. J.**, The effect of some leaf diseases on grain yield in corn. *Phytopathology* 41. 1951, 36.
- Waddell, W. H.**, Breeding disease resistant soft wheats. *Ontario Crop Impr. Assoc. Addresses & Proc.* 13. 1951, 102—108.
- Watanabe, T.**, Ine to mugi no byogai to sono fusegikata. (Methods of protection of rice and wheat from disease.) *Meibundo, Tokyo* 1951. 130 p.
- Winter, A. G.**, Untersuchungen über die Förderung der Jugendentwicklung der Hauptgetreidearten durch bodenbewohnende Pilze. *Phytopath. Ztschr.* 18. 1951, 221—230, 2 Abb.
- Zarubajlo, T. J., and Kisjuk, M. M.**, (Die Jarovisierung bei Temperaturen unter 0 Grad als Methode der Züchtung auf Winterhärte.) [bei Weizen] *Selektsiia i Semenovodstvo (russ.)* 18. 1951, nr. 7, p. 19—26.
- Report of the second meeting of the working party on rice breeding, Bogor, Indonesia, 9th—13th April, 1951.** [rice diseases] *FAO, Rom*, 1951, 82 p.
- Two grain varieties released by New York are disease resistant.** *Crops and Soils* 3. 1951, nr. 8, p. 30.

b. Nichtparasitäre Krankheiten **Diseases not caused by parasites** **Maladies non parasitaires**

- Baba, I.**, On the extreme sterility, so-called »straight head« of rice plant, occurred in farmers' field of Chiba Prefecture owing to dry weather in 1947. Bull. Inst. agric. Sci., Tokyo, 1 (ser. D). 1951, 37—48, 4 fig., 2 tab. geogr.
- Caldecott, R. S., and Smith, L.**, The influence of heat treatments on the injury and cytogenetic effects of X-rays on barley. Genetics 36. 1951, 546 (Abstr.).
- Chouard, P., et Poignant, P.**, Recherches préliminaires sur la vernalisation en présence d'inhibiteurs de germination et de respiration. Phytoma, Paris, 4. 1951, nr. 22, p. 11—13.
- Fabbri, A.**, (Experimental research for the determination of economic damages caused by hail in the culture of corn.) Genio Rur. (ital.) 14. 1951, 695—705.
- Hackländer, H.**, Wird der Roggen auswintern? Bauernbl. Schlesw.-Holst. 5./101. 1951, 968—969.
- Hiddema, J., and Walrave, J.**, (The wintering out of grain. V.) Nieuwe Veldbode 18. 1951, 154—155.
- Humphries, E. C.**, The absorption of ions by excised root systems. II. Observations on roots of barley grown in solutions deficient in phosphorus, nitrogen or potassium. J. exp. Bot. 2. 1951, 344—379.
- Kamiya, M.**, (Varietal differences in susceptibility of wheat to the deficiency of phosphoric acid in soils.) Kyushu Noji Shikenjo 8. 1951, 41—42.
- L'vov, S. D., and Altukhova, L. A.**, (Vitamin C and its connection with frost resistance of winter wheat varieties.) Dokl. Akad. Nauk USSR. 80. 1951, 113—116.
- McCalla, A. G.**, Frozen and damp wheat again! Alberta Univ. Dept. Plant Sci. Seasonal Notes 36. 1951, 2—3.
- Maliani, C.**, (Serious frost damage to the wheats of Venezia.) Agric. Venezia 5. 1951, 222.
- Minerbi, G.**, Sull'alta mortalità dei germogli laterali del frumento ed altri fenomeni patologici dovuti ad abbassamenti repentini di temperatura. Not. Mal. Pianta nr. 16. 1951, 32—35.
- Murase, H., and Takehara, K.**, (On the development of so-called »Shiraho« (white ear) of rice plants damaged by typhoon Ketzia.) Kyushu Noji Shikinjō 8. 1951, 33—34.
- Novikov, V. A., und Barannikova, Z. D.**, Die kritische Periode gegenüber der Lichtintensität in der Entwicklung des Mais. Dokl. Akad. Nauk USSR. 76 (n. ser.). 1951, 937—940.
- Ocheretenko, E. E.**, (On the role of the copper minor element in the cold resistance of Ukrainka winter wheat variety.) Dnepropetrovsk. Sel'skhoz. Inst. Trudy 4. 1951, 39—42.
- Randall, C. G.**, The occurrence of red rice in California seed rice. Rice J. 54. 1951, nr. 2, p. 23.
- Russell, R. C.**, Symptoms of frost injury to barley embryos and seedlings. Proc. canad. phytopath. Soc. 18. 1951, 18 (Abstr.).
- Sadakane, A.**, (Studies on the drought resistance of rice plant (preliminary).) Nogaku Kenkyu 39. 1951, 155—160.
- Scossiroli, R.**, Esame del comportamento di tipi diversi di mais ai danni della grandine associata a forte vento. Not. Mal. Pianta nr. 15. 1951, 2.
- Scotti, T.**, Ulteriori prove sull'effetto stimolante sui germogli di riso dei prodotti mercurioorganici e tiuramici usati come concianti. Not. Mal. Pianta nr. 14. 1951, 44—46.
- Shulyndin, A. F.**, (On the cold resistance of soft wheats which were obtained from hard spring wheat.) Agrobiologiča (russ.) 5. 1951, 3—7.
- Skazkin, F. D., and Fontalina, M. N.**, (Relation of barley to water deficiency in soil during the light phase of development.) Dokl. Akad. Nauk USSR. 81. 1951, 281—284.
- Smith, S. G.**, Mutations in polyploid cereals. IV. A segmental chromosome deficiency determining on α series ration in a speltoid wheat. Canad. J. Bot. 29. 1951, 607—630.
- Snell, K.**, Auswuchs und Getreidesorte. Dtsch. landw. Presse 74. 1951, 5, 2 Abb.
- Trentin, A.**, (Early grains and late frosts.) Agric. Venezia 5. 1951, 510—519.
- Trentin, A.**, (Grain and the frosts.) Agric. Polesine (ital.) 3. 1951, 51—52.
- Tsuboi, Y.**, (Studies on wind injury to wheat. 1.) J. Agric. Met. (Japan) 7. 1951, 15—16.
- Van der Meulen, J. G. J.**, (Rice improvement by hybridization and results obtained.) [potassium deficiency] Landbouw, Buitenzorg, 23. 1951, nr. 1—3, p. 17—52, 8 fig.
- Vanterpool, T. C.**, The decline of browning root rot. [phosphate deficiency in wheat] Proc. canad. phytopath. Soc. 18. 1951, 19 (Abstr.).
- Vanterpool, T. C., and Sambroski, D. J.**, Grey speck of oats in Saskatchewan. [manganese deficiency] Proc. canad. phytopath. Soc. 18. 1951, 19 (Abstr.).
- Viets jr., F. G., Crawford, C. L., and Nelson, C. E.**, Field studies on zinc deficiency in corn in the Columbia basin area. U.S. Bur. Plant Ind., Soils, agric. Engin., Div. Soil Mangt., Irrig. Res. Rept. 207. 1951, 10 p.
- Wells, D. G., and Bowman, D. H.**, Atlas 66 wheat is winter hardy, disease resistant. Mississippi Farm Res. 14. 1951, nr. 7, p. 1.

Wittenrood, H. G., (Cold resistance of an assortment of West European wheat varieties compared with their velocity of development after winter.) Versl. Centr. Inst. landb.kdg. Onderz. 1951, 148—149.

Zogg, H., Untersuchungen über Hagelschäden. III. Gerste. Phytopath. Ztschr. 18. 1951, 287—292, 2 Abb.

c. Pflanzliche Feinde

Vegetal parasites

Parasites végétaux

Allgemeiner Teil

General part — Partie générale

Gaudineau, M., Les maladies cryptogamiques du maïs. Amélior. Plantes (Actual. Agron. sér. B) 1. 1951, 119—128. — 2. Congr. int. Maïs, Pau 1949, ?1951, 15 p., 2 tab.

Gaudineau, [M.], Les maladies cryptogamiques du maïs et la sélection. Sol 63. 1951, 89—90.

Bacteria

Goto, K., and **Nakanishi, I.**, (Ear burn, a new bacterial disease of barley.) [Aplanobacter Hordei] Ann. phytopath. Soc. Japan 15. 1951, 117—120, 2 fig.

Hashioka, Y., Bacterial leaf blight of rice and its control. [Bact. (Xanthomonas) oryzae] Agric. hort., Tokyo, 26. 1951, 644—648.

Nemlienko, F. E., The study of bacteriosis of corn sprouts. Vsesoiūzn. Akad. Sel'skhoz. Nauk Dokl. 16. 1951, nr. 2, p. 35—40, 1 fig.

Tessi, J. L., »Xanthomonas translucens F. S. herdeia« en la Argentina y determinación de variedades de cebada resistentes. Argentina Dir. Gen. Invest. Agric. Rev. Invest. Agric. 5. 1951, 353—373.

Vidal Mora, J. M., Los tumores del maíz. Balearic Isl. Diput. Prov. Bol. Agric. 82. 1951, 9—10.

Warren, J. R., The use of radioisotopes in determining the distribution of *Bacterium stewartii* Erw. Smith within corn plants. Phytopathology 41. 1951, 794—800, 1 fig.

Fungi

Allgemeiner Teil

General part — Partie générale

Bell, G. H. D., Barley breeding and related researches. [Ustilago nuda et Erysiphe graminis] J. Inst. Brewing (n. ser.) 48. 1951, 247—260, 1 fig.

Callsen, H., Mindern Fußkrankheiten den Winterweizenanbau? Bauernbl. Schlesw.-Holst. 5./101. 1951, 877—878.

Campos, T. A., Lineas y variedades mexicanas de trigo y su resistencia a la roya del tallo. Mexico Ofic. Estud. Espec. Fol. Misc. 4. 1951, 70—81.

Christensen, C. M., Fungi on and in wheat seed. Cereal Chem. 28. 1951, 408—415, 3 fig.

Coffman, F. A., **Stevens, H.**, and **Holton, C. S.**, Overland and cody, two new short-strawed oats for the Northwest. [Resistance to fungi] Agron. J. 43. 1951, 325—328.

Ghosh, J. J., Studies on the nutritional requirements of rice-inhabiting fungi. Sci. and Cult., Calcutta, 17. 1951, 135—136.

Hanson, E. W., Seedling blights and foot rots of wheat in the spring wheat region of northern United States. Minnesota Univ., Sum. Ph. D. Theses 5. 1951, 36—38.

Hirai, T., (Studies on the snow-blight diseases of winter cereals. IV. Increased viscosity of protoplasm in the starved cells.) (Forsch. Pfl.krankh.), Kyoto, 4. 1951, 133—137, 2 fig.

Hosokawa, S., and **Tanaka, S.**, (Effects of molding on the growth of paddy rice plants.) Kyushu Noji Shikino 8. 1951, 35—36.

Hyde, M. B., and **Calleymore, H. B.**, The subepidermal fungi of cereal grains. II. The nature, identity and origin of the mycelium in wheat. Ann. appl. Biol. 38. 1951, 348—356, 2 fig., 1 tab.

Kulik, S. A., (Root rot of hard wheat in western Siberia.) Sovet. Agron. 9. 1951, nr. 8, p. 57—67.

Lejeune, A. J., **Sisler, W. W.**, **Banasik, C. J.**, and **Harris, R. H.**, Methods of breeding new malting barley varieties. [Puccinia, Ustilago, Helminthosporium] J. Inst. Brewing (n. ser.) 48. 1951, 445—449.

Machacek, J. E., **Cherewick, W. J.**, **Mead, H. W.**, and **Broadfoot, W. C.**, A study of some seed-borne diseases of cereals in Canada. II. Kinds of fungi and prevalence of disease in cereal seed. Sci. Agric., Ottawa, 31. 1951, 193—206.

McKeen, W. E., Preliminary studies of root and basal stalk rot of corn in Ontario. Proc. canad. phytopath. Soc. 17 (1950). 1951, 12.

McKeen, W. E., A preliminary study of corn seedling blight in southern Ontario. [Pythium, Fusarium, Rhizoctonia] Canad. J. Bot. 29. 1951, 125—137, 1 fig., 5 tab.

Michaelson, M. E., A laboratory method for testing reaction of corn to stalk-rotting organisms. [Diplodia zeae, Gibberella zeae] Phytopathology 41. 1951, 26.

Minabe, M., (On the relation between the disease-susceptibility of naked barley and the silicification of epidermal cells of leaves.) [Puccinia simplex, Erysiphe graminis] Proc. Crop Sci. Soc. (Japan) 19. 1951, 255—258, 4 fig.

Ono, K., (Effect of other pathogenic fungi to the Sclerotium formation of Helminthosporium sigmoideum var. irregulare and Hypochus sasakii.) (Forsch. Pfl.krankh.), Kyoto, 4. 1951, 81—84.

Ono, K., (A study on the estimation of damage of rice plant caused by stem rot.) J. Hokuriku Agric. (jap.) 1. 1951, nr. 2, p. 62—71.

Riley, E. A., Hybrid maize disease resistance tests. Progress report, 1950—1951. Rhodesia agric. J. 48. 1951, 428.

Robles G. L., Variedades de cebada maltera resistentes al Erysiphe graminis DC. y Helminthosporium gramineum (R.) Erikss. en Monterrey, N. L., Mexico. Mexico Ofic. Estud. Espec. Fol. Misc. 4. 1951, 89—90.

Saccas, A. M., À propos de quelques champignons nouveaux parasites et saprophytes sur maïs. Rev. Path. vég. Ent. agric. France 30. 1951, 161—196, 4 tab.

Shaller, C. W., The effect of mildew and scald infection on yield and quality of barley. [Erysiphe graminis et Rhynchosporium (Marssonina secalis)] Agron. J. 43. 1951, 183—188.

Sprague, R., Some leafspot fungi on western Gramineae. VI. Mycologia, Lancaster, 43. 1951, 549—569.

Townsend, G. R., Control of the leaf blight and rust diseases of sweet corn. [Helminthosporium turcicum, Puccinia sorghi] Plant Dis. Repr. 35. 1951, 368—369.

Vanterpool, T. C., The decline of browning root rot. Proc. canad. phytopath. Soc. 18. 1951, 19.

Verona, O., Chiave analitica delle principali malattie crittogamiche del frumento. Agric. ital. (Tornar-Pisa) 51. 1951, 1—12.

Vestal, E. F., and **Semeniuk, G.**, Puccinia sorghi and Helminthosporium turcicum on corn in Iowa during 1950. Plant Dis. Repr. 35. 1951, 212—214, 2 fig.

Wernham, C. C., Exposure to rots, smuts, blights, and molds reveals disease resistant corn hybrids. Sci. Farmer (Pennsylv. Stat.) 1951, 5—6.

Zogg, H., Studien über die Pathogenität von Erregergemischen bei Getreidefußkrankheiten. Phytopath. Ztschr. 18. 1951, 1—54, 20 Abb.

Wisconsin releases two new hybrid corns. [against Diplodia zeae and Gibberella zeae] Seed World 68. 1951, nr. 11, p. 78, 80, 2 fig.

Phycomycetes

Haskett, W. C., Relative susceptibility of barley varieties to Pythium graminicola. M. S. Thesis, Iowa State Coll. Library 1951.

Hooker, A. L., The corn embryo as a factor in resistance in Pythium during germination. Phytopathology 41. 1951, 17.

Kelman, A., and **Hebert, T. T.**, Influence of light on the germination of sporangia of Physoderma zeae-maydis. Phytopathology 41. 1951, 20.

McKeen, W. E., Seedling susceptibility of dent corn inbreds to rootrot caused by Pythium arrhenomanes. Sci. Agric., Ottawa, 31. 1951, 475—479, 4 tab.

Oswald, J. W., and **Houston, B. R.**, A downy mildew of barley in California. Phytopathology 41. 1951, 942.

Pontis Videla, R. E., Una podredumbre del tallo del maíz (Zea mays L.) en Venezuela causada por Pythium aphanidermatum. (Stalk rot of maize (Zea mays L.) in Venezuela caused by Pythium aphanidermatum.) Agron trop., Maracay, 1. 1951, 13—28, 1 fig., 2 tab.

Summers, Th. E., **Adair, C. R.**, and **Stanton, T. R.**, Downy mildew of oats found in Arkansas, Mississippi, and Georgia in 1951. Plant Dis. Repr. 35. 1951, 510.

Ascomycetes

Adam, D. B., The control of take-all in wheat after a long period of pasture. [Ophiobolus graminis] Austr. J. agric. Res. 2. 1951, 273—282, 1 fig.

Angell, H. R., and **Mills, M.**, Rotation in relation to take-all of wheat. Austr. J. agric. Res. 2. 1951, 283—285.

Ciferri, R., La segala cornuta e l'ergotismo. Italia agric. 88. 1951, 690—694.

Darpoux, H., et **Faivre-Amiot, A.**, Action de produits du métabolisme du Trichothecium roseum L. K. sur l'Oidium de l'orge (Erysiphe graminis). Compt. rend. Soc. Phyt. Phytopharm. 1. 1952, 21—24.

Dim-Zajec, V., and **Mastnak, A.**, The production of ergot (Claviceps purpurea) in Croatia. I, II. Farm. Glasn. 7. 1951, 44—51.

Du Plessis, S. J., en **Nortje, J. H.**, Vatbaarheid van varieteite van koring en rog en van grassoorte vir Ophiobolus graminis Sacc. (Susceptibility of wheat, rye and grass varieties to Ophiobolus graminis Sacc.) South Afr. Dept. Landbou-wetensk. Pamphl. 328. 1951, 19 p.

Foschi, S., Mal bianco degli steli del grano (Gibellina cerealis Pass.). Inform. Fitopat., Bologna, nr. 4. 1951, 5—6, 2 fig.

Freundenberg-Rosendahl, G., Zur Mutterkornherzeugung in Mitteldeutschland. Beobachtungen im Anbaubetrieb von Caesar & Loretz, Halle/Saale. Pharmazie 6. 1951, 536—541.

Frigerio, J. C., El cornezuelo del centeno (Claviceps purpurea). Pampa Argent. 24. 1951, nr. 281, p. 11.

Fushtey, S. G., Studies on infection of rye by Claviceps purpurea. Proc. canad. phytopath. Soc. nr. 19. 1951, 15 (Abstr.).

Gizycki, F. v., Fragen der Mutterkorn-Gewinnung in der DDR. (Sitzungsbericht.) Pharmazie 6. 1951, 617—619.

- Goidanich, G.**, Il mal del piede dei cereali. Inform. Fitopat., Bologna, nr. 12. 1951, 1—5, 1 fig.
- Huntley, D. N.**, Erysiphe graminis in barley. Iowa State Coll. J. Sci. 25. 1951, 252—253 (Abstr. of Thesis).
- Jensen, N. F.**, Powdery mildew of barley. Studies of yield losses and the inheritance of disease resistance. [Erysiphe graminis var. hordei] Cornell Univ. agric. Exp. Stat. Mem. 305. 1951, 39 p., 4 fig.
- Kawatani, T.**, (Studies on the parasitic cultivation of ergot with Claviceps litoralis Kawatani. III.) Bull. nat. hyg. Lab., Tokyo, 69. 1951, 165—221.
- King, C.**, Take-all footrot. [wheat] Kansas Farmer 88. 1951, nr. 9, p. 6.
- Lehmann, A.**, Ergot du seigel (Claviceps purpurea Tulasne). Petit Rameau Sapin 28. 1951, 18—19, fig.
- Lelièvre, M. D.**, Penicillium novae-zeelandiae Van Beyma sur graines. Mus. Nat. Hist. Nat. Lab. Crypt., Cat. Collect. Vivantes, Herb., Doc., Paris, 3. 1951, 22—23.
- Longchamp, R., Roy, M., et Gautheret, R.**, Action de l'ester éthylique du 2—4 D sur le développement de Claviceps purpurea dans les champs de blé. Compt. rend. Acad. Sci., Paris, 233. 1951, 888—890.
- McKeen, W. E.**, A corn root- and stalk-rot complex hitherto known as Gibberella zeae stalk rot. Phytopathology 41. 1951, 26.
- Marchionatto, J. B.**, »Balansia hemicypta Diehl«, hongo parásito de las Gramíneas en la Argentina. Rev. argent. Agron. 18. 1951, 108—109.
- Marini, E.**, Fasti e nefasti della segale cornuta. Humus 7. 1951, nr. 9, p. 23—26.
- Marini, E.**, Rights and wrongs of spurred rye. [ergot] Humus (ital.) 7. 1951, nr. 9, p. 23—26.
- Minabe, M.**, (On the influence of the sun light shortening to the infection of diseases and the yield of naked barley.) [Erysiphe graminis] Proc. Crop Sci. Soc. (Japan) 19. 1951, 342—344.
- Nishikado, Y., Takahashi, R., and Hiura, U.**, Studies on the disease resistance in barley. I. Varietal differences in resistance to powdery mildew, Erysiphe graminis D.C. f. hordei Marchal. Ber. Ohara-Inst. landw. Forsch., Kurashiki, 9. 1951, 411—423.
- Os, F. H. L.**, The artificial infection of rye with Claviceps purpurea. Herba 10. 1951, 85—86.
- Rudolf, W., und Wienhues, F.**, Die Züchtung mehltäusender Gersten mit Hilfe einer resistenten Wildform (Hordeum spontaneum nigrum H 204). Ztschr. Pfl.züchtg. 30. 1951, 445—463, 3 Abb.
- Tapke, V. F.**, Influence of preinoculation environment on the infection of barley and wheat by powdery mildew. Phytopathology 41. 1951, 622—632, 2 fig.
- Basidiomycetes**
- Affi, A.**, Production of rust resistant vulgare wheats by backcrossing. I. R. agric. Soc. Egypt, Techn. Sect., Bull 35. 1951, 25 p.
- Andrews, E. A., and Turner, M. E.**, Control of stem rust by barberry eradication. Michigan State Coll. Agric. Ext. Folder F-158. 1951, 6 p.
- Anerud, K.**, (The black stem rust (Puccinia graminis) and its ravages.) [on wheat] Lantmannen 35. 1951, 659—661.
- Anpilogov, M. Z.**, (Treatment of seeds against smut.) [Tilletia tritici, Ustilago avenae, Ustilago nuda] Seleksiia i Semenovodstvo (Selection and Seed Growing) 18. 1951, nr. 12, p. 47—50.
- Bachstsz, M., y Carrasco, E. B.**, Notas sobre drogas, plantas y alimentos mexicanos. XII. Repartición de los aminoácidos en la albúmina de esporas de hongos (Ustilago maydis L.). Ciencia 11. 1951, 210—212.
- Bayles, B. B.**, New wheat rust race develops. Agric. Situation 35. 1951, 4—5.
- Bayles, B. B., and Rodenhiser, H. A.**, New stem rust threatens wheat crop. Crops and Soils 3. 1951, nr. 8, p. 25—26.
- Bell, F. H.**, Size and structure of the various infection-type mycelia produced by the wheat stem rust fungus. Phytopathology 41. 1951, 3.
- Bever, W. M.**, Differential lethal effect of hot-water treatment on the loose smut mycelium in nine varieties of winter wheat. Phytopathology 41. 1951, 875—879.
- Boasso, C. S., and Levine, M. N.**, Leaf rust of wheat, Puccinia rubigovera tritici, in Uruguay. Phytopathology 41. 1951, 736—741.
- Borisova, L. N.**, (Wintering of stem rust of cereals (Puccinia graminis Pers.) Moscow. Obshch. Isp. Prirody Bull. Otd. Biol. 56. 1951, nr. 2, p. 79—89.
- Brentzel, W. E.**, Forecasting loose smut in wheat. North Dakota agric. Exp. Stat. Bimonthly Bull. 13. 1951, 210—212.
- Broadfoot, W. C.**, Loose smuts of barley. Wk. Market News 29. 1951, nr. 25, p. 11.
- Brøndegaard, V. J.**, (The Berberis war.) Dansk Landbr. 70. 1951, 512—513.
- Brysgalowa, W. A.**, (Zur Biologie von Puccinia graminis Pers. f. secalis.) (Arb. allruss. Inst. Pfl.schutz, Moskau-Leningrad, 3. Liefg. 1951, 201—204.
- Buchwald, N. F.**, Rust paa sæden. (Rust on seed-grain.) Nord. Jordbr.forskn., København, nr. 2—3. 1951, 478—479.
- Buchwald, N. F., og Stapel, Ch.**, Sort rust og berberis. Ugeskr. Landmaend, København, nr. 39. 1951, 599—601.
- Campacci, C. A.**, O »carvão verde« do arroz. (The green smut of rice.) [Ustilaginoida virens] Biológico, São Paulo, 17. 1951, 72—74, 1 fig.

- Carmelo, M.**, (Smut and grain caries.) *Tecn. Agr.* 3. 1951, 108—110.
- Cherewick, W. J.**, Physiologic specialization in cereal smuts. *Phytopathology* 41. 1951, 7.
- Cherewick, W. J., and Popp, W.**, Smuts of coarse grains in Manitoba. [Ustilago] *Sci. Agric.*, Ottawa, 31. 1951, 496—504.
- Chowdhury, S.**, Studies in the bunt of rice (*Oryza sativa* L.). *Indian Phytopath.* 4. 1951, 25—37, 5 fig.
- Cohn, V.**, (Control of wheat smut.) *Soc. Rural. Bras. Rev.* 31. 1951, nr. 363, p. 54.
- Darpoux, H., Faivre-Amiot, A., et Leblanc, R.**, Essais de lutte contre la carie du blé par des substances antibiotiques. *Compt. rend. Acad. Agric. France* 37. 1951, 511—512.
- Da Silva, A. R.**, (The problem of «smut» of wheat in Brazil.) *Seleç. Agric. (Brazil)* 6. 1951, nr. 64, p. 65—67.
- Davidson, R. S.**, Beware of loose smut infected (wheat) seed. *Ohio Farm, Home Res. (Ohio Stat.)* 36. 1951, 52—53.
- Della Barba, L.**, (Heavy epidemic of *Tilletia*.) [on grain] *Agric. Ferrarese (ital.)* 55. 1951, 171—172.
- De Urries, M. J.**, Razas fisiológicas de *Puccinia graminis tritici* en España. (Physiologic races of *Puccinia graminis tritici* in Spain.) *Consejo sup. Invest. cient.*, Madrid 1951. 56 p., 3 fig., 10 tab., 1 tab. geogr.
- De Urries, M. J., y Cañamas, R.**, Reacción de una colección de trigos híbridos del Centro de Cerealicultura, a las razas números 14 y 21, de «*Puccinia graminis tritici*». (Reaction of a collection of hybrid wheats from the Centre of Cereal Culture to races Nos. 14 and 21 of *Puccinia graminis tritici*.) *Bol. Inst. Nac. Invest. agron.*, Madrid, 11. 1951, nr. 24, p. 29—47, 5 fig.
- D'Oliveira, B.**, The centers of origin of cereals and the study of their rusts. *Agron. lusit.* 13. 1951, 221—226.
- Dunbabin, T.**, New Australian wheat variety. [*Puccinia graminis*] *N. Commonw.* 22. 1951, 412, 1 fig.
- Dunbabin, T.**, New rust resistant wheat developed in Australia. *New Zealand Farmer* 72. 1951, nr. 3, p. 18.
- Elder, C. R.**, Grub our buckthorn (*Rhamnus*); its spreads crown rust — the worst oat disease in the US. *Farm J.* 75. 1951, nr. 10, p. 20.
- Escobar y Córdoba, J.**, Erradicación del añublo negro de los cereales. *Campo, Tacuba*, 19 (ser. 2). 1951, nr. 718, p. 64, 66—67.
- Fajersson, F.**, (Black rust and nitrogen fertilizing.) [wheat] *Lantmannen* 35. 1951, 860.
- Frézal, P.**, Résultats d'essais de lutte contre la carie des blés. *Bull. Soc. Agric. Algérie* 95. 1950—1951, 158—170.
- Gabotto, L.**, Il carbone del culmo del grano (*Urocystis tritici* Koern. = *Tuburcinia* Tr. Liro). *Coltiv.*, *Giorn. vinic. ital.* 97. 1951, 146—147.
- Gaßner, G.**, Neuere Versuche zur Bekämpfung des Gerstenflugbrandes. *Nachr.bl. dtsh. Pfl.schutzd.*, Braunschweig, 3. 1951, 65—67, 1 Abb.
- Geiszler, G. N.**, Will rust hit in '51? [wheat] *Dakota Farmer* 71. 1951, nr. 5, p. 6, 8.
- Gheorghianov, V., y Fischer, G. J.**, El carbon del maíz; ataque observado en los ensayos comparativos de variedades comerciales realizados en La Estanzuela (1942—1949). [Ustilago zeae] *Inter-amer. Conf. Agr. Trab. Téc.* 4. 1951, 210—224.
- Goidànich, G.**, I carboni fissi dei cereali. [Ustilago] *Inform. Fitopat.*, Bologna, nr. 13. 1951, 1—4, 1 fig.
- Grasso, V.**, La resistenza dei grani duri alle carie (*Tilletia* spp.). (The resistance of durum wheats to bunt (*Tilletia* spp.)) *Ann. Sperim. agr.*, Roma, n. ser. 5. 1951, 411—418.
- Hagge, A. H.**, The common barberry and stem rust of small grains. *Iowa Yearb. Agric.* 51 (1950). 1951, 283—287.
- Hashioka, Y., Yoshino, M., and Yamamoto, T.**, (Physiology of the rice false smut, *Ustilaginoida virens* (Cke.) Tak.) *Saitama agric. Exp. Stat. (Japan) Res. Bull.* nr. 2. 1951, 20 p., 6 tab.
- Hassebrauk, K.**, Die Einwirkung neuzeitlicher Kontaktinsektizide auf die Braunrostanfälligkeit von Weizenkeimpflanzen. [*Puccinia*] *Nachr.bl. dtsh. Pfl.schutzd.*, Braunschweig, 3. 1951, 161—164.
- Hassebrauk, K.**, Untersuchungen über die Einwirkung von Sulfonamiden und Sulfonen auf Getreideroste. I. Die Beeinflussung des Fruktifikationsvermögens. *Phytopath. Ztschr.* 17. 1951, 384—400.
- Henry, A. W., Peterson, E. A., Millar, R. L., and Horricks, J. S.**, Control of covered smut of oats by seed treatment with an antibiotic. *Science*, Lancaster, 113. 1951, 390.
- Hingorani, M. K.**, The effect of temperature and light on the mesothetic reaction of Jostrain oats to stem rust. [*Puccinia graminis avenae*] *Indian Phytopath.* 4. 1951, 85—87.
- Hingorani, M. K.**, Selfing studies with race 7 of *Puccinia graminis avenae* Erikss. and Henn. *Indian Phytopath.* 4. 1951, 141—143.
- Hirschhorn, E.**, Grado de estabilidad patógena de líneas menesporidiales de *Ustilago zeae* adaptadas a desarrollarse en medios que contienen arsénico. *Cienc. e Invest.* 7. 1951, 425—426.
- Holton, C. S., and Jackson, Th. L.**, Varietal reaction to dwarf bunt and flag smut, and the occurrence of both in the same wheat plant. [*Tilletia caries*, *Urocystis tritici*] *Phytopathology* 41. 1951, 1035—1037, 1 fig.

- Hurd-Karrer, A. M., and Rodenhiser, H. A.,** Structures corresponding to appressoria and substomatal vesicles produced on nutrient-solution agar by cereal rusts. *Amer. J. Bot.* 34. 1947, 377—384.
- Ibrahim, I. A.,** Effect of 2,4—D on stem rust development in oats. *Phytopathology* 41. 1951, 951—953.
- Jacks, H.,** Soil disinfection. X. Preliminary report on control of head smut (*Sorosporium reilianum* (Kühn) McAlpine) of maize (*Zea mays* L.). *New Zealand J. Sci. Techn.* (A) 33. 1951, nr. 2, p. 37—44, 4 fig.
- Johansson, F.,** (Difficulties in eradicating barberry.) *Lantmannen* 35. 1951, 718.
- Johnson, T., and Green, G. J.,** The varieties of stem rust, *Puccinia graminis* Pers., occurring on barberry in Eastern Canada. *Canad. J. Bot.* 29. 1951, nr. 1, p. 1—9.
- Johnston, C. O., and Levine, M. N.,** Physiologic races of the leaf rust of wheat (*Puccinia rubigo-vera* tritici) in the United States in 1950. *Plant Dis. Repr.* 35. 1951, 301.
- Johnston, C. O., Quisenberry, K. S., and Reitz, L. P.,** Reaction of hard red winter wheats to bunt in uniform bunt nurseries (1943—1947). *Agron. J.* 43. 1951, 61—66.
- King, C.,** Wheat breeders alarmed about new rust disease. *Kansas Farmer* 88. 1951, nr. 12, p. 8.
- King, C.,** Wheat breeders concerned about new smut disease. *Kansas Farmer* 88. 1951, nr. 10, p. 6.
- Klapotova, N. K.,** (A new method of obtaining cultures of loose smut, *Ustilago tritici* (Pers.) Rostr.) *J. Bot. USSR.* 35. 1951, 512—513.
- Kleis, R. W., Lucas, E. H., Brown, H. M., and De Zeeuw, D. J.,** Dry treatment of wheat for loose smut (a preliminary report). [*Ustilago tritici*] *Michigan agric. Exp. Stat. Quart. Bull.* 34. 1951, 162—165.
- Kole, A. P.,** De bestrijding van stuifbrand bij tarwe en gerst. [*Ustilago tritici*, *U. nuda*] *Tijdschr. Plantenziekten* 57. 1951, 65—72, 4 fig.
- Koo, K. S., and Ausemus, E. R.,** Inheritance of reaction to stem rust in crosses of Timstein with Thatcher, Newthatch and Mida. [*Puccinia graminis*] *Agron. J.* 43. 1951, 194—201.
- Kralin, P.,** (Late-autumn sowing of spring cereals for seed regeneration and smut control.) *Kolkhoz. Proizvodstvo* 11. 1951, nr. 9, p. 23—25.
- Lansade, M., Ponchet, J., et Guntz, M.,** Nouveaux essais de traitement de la carie du blé: *Tilletia tritici* (Bjerk.) Wint. *Ann. Épiphyties* (Ann. Inst. nat. Rech. agron. sér. C), Paris, 2. 1951, 417—449, 6 fig.
- Lantz, D.,** Barberry eradication means less rust on small grains. *Iowa Agric.* 49. 1951, nr. 8, p. 9, 14.
- Lasser, E.,** Die Züchtung schwarzrostresistenter Weizensorten für den Alpenraum. *Bodenkultur, Wien*, 5. 1951, 67—75.
- Lepori, L.,** Alcune osservazioni sulla morfologia e biologia dell' *Ustilago virens* (Cke) Tak. su materiale thailandese. (Some observations on the morphology and biology of *Ustilago virens* (Cke) Tak. on material from Thailand.) *Not. Mal. Piante* nr. 16. 1951, 40—46.
- Lepori, L.,** (False smut of rice.) [*Ustilago virens*] *Risicoltura (ital.)* 39. 1951, 297—306.
- Lester, J.,** Barberry eradication stressed as new rusts threaten grain. *Montana Farmer-Stockman* 38 (i. e. 39). 1951, nr. 25 (nr. 1), p. 1.
- Levine, M. N., Ausemus, E. R., and Stakman, E. C.,** Wheat leaf rust studies at Saint Paul, Minnesota. *Plant Dis. Repr. Suppl.* 199. 1951, 1—17.
- Lhoste, J., and Ravault, L.,** Contribution à l'étude de l'hexachlorobenzène produit actif contre les spores de *Tilletia tritici* Berk. *Int. Congr. Crop Prot. Proc.* 2 (1949). 1951, 251—259.
- Lhoste, M. J., et Ravault, L.,** Sur l'infection des blés par les spores de *Tilletia caries* incorporées au sol. 1. Conf. int. Lutte contre Parasites Plantes 3.—6. 10. 1950 Rome. 1951, 404—408.
- Lindfors, Th.,** Utrotning av berberis, svartrostens skälrosvård, med natriumklorat. (The eradication of barberry, the acedial host of black rust, with sodium chlorate.) *Nord. Jordbr.forskn., København*, nr. 2—3. 1951, 473—477.
- Litzenberger, S. C.,** Reaction of cereal varieties to smuts in Alaska. *Plant Dis. Repr.* 35. 1951, 482—484.
- Livingston, J. E.,** »Reds« in the wheat field. [stem rust] *Nebraska Farmer* 93. 1951, nr. 5, p. 16, 48—49.
- Loegering, W. Q.,** Survival of races of wheat stem rust in mixtures. *Phytopathology* 41. 1951, 56—65, 4 fig.
- Lowther, C. V.,** Seedling resistance vs. adult-plant susceptibility of Montana wheat to race 15B of *Puccinia graminis* tritici. *Plant Dis. Repr.* 35. 1951, 480—481.
- McKee, W. E.,** An exceptionally early outbreak of corn rust in Canada. [*Puccinia sorghi*] *Plant Dis. Repr.* 35. 1951, 367.
- Mansson, E.,** (Black stem rust and nitrogen fertilizing.) *Lantmannen* 35. 1951, 818—819.
- Massenot, M.,** Observations et expérimentations récentes sur la rouille noire du blé. [*Puccinia graminis*] *Minist. Agric. France Bull. Techn. Inform.* 58. 1951, 261—263.
- Mehta, P. R.,** Covered smut of barley and its control. [*Ustilago hordei*] *Agric. Anim. Husb., Uttar Pradesh*, 2. 1951, 3—7, 2 fig.
- Miller, M. E.,** 15-B (stem rust) resistant wheat coming. *Washington Farmer* 76. 1951, 451, 469.

- Minev, K.**, Rasprostranjenje *Tilletia* sp. na pšenici u FNRJ. (The geographical distribution of various *Tilletia* species on wheat in Yugoslavia.) *Saschita Bilja* (Plant Prot.), Beograd, nr. 5. 1951, 50—53, 1 fig.
- Moriondo, F.**, La ruggine curvatrice dei germogli sul pino domestico. *Ital. Forest.*, Montana 6. 1951, 314—317.
- Morris, G. P.**, Descriptions and diagrams of wheat and barley varieties. [*Ustilago tritici*] *J. nat. Inst. agric.* Bot. 6. 1951, 20—28, 4 fig.
- Munnecke, D. E.**, Effect of wheat juices on urediospore germination of *Puccinia graminis tritici*. *Phytopathology* 41. 1951, 27.
- Naumowa, N. A.**, (Einfluß der Wachstums-Temperatur des Sommerweizens auf seine Ansteckung durch Braunrost.) [*Puccinia triticea*] *Ztschr. Bot.* (Akad. Wiss. UdSSR.) 36. 1951, 39—46.
- Niccolini, P.**, and **Mannucci, E.**, Contributo allo studio farmacologico della *Ustilagine* del granturco. VI. Indagini sulla presenza e conservabilità della lattoflavina. *Arch. ital. Sci. farmac.* (ser. III) 1. 1951, nr. 3, 14 p., 4 fig.
- Nicholson, G.**, *Acacia* — a new oat variety bred by department of agriculture. [*Ustilago, Puccinia*] *Agric. Gaz. N. S. Wales* 62. 1951, 294.
- Nicolas, G.**, Le charbon du maïs. *Rev. int. Bot. appl.*, *Agric. trop.* 31. 1951, 173—184.
- Nicolas, G.**, et **Aggéry, B.**, Le charbon du maïs. [*Ustilago maydis*] *Bull. mens. Soc. linnéenne Lyon* 20. 1951, 163—165.
- Nilowa, W. P.**, und **Egorowa, G. N.**, (Zur biochemischen Begründung der Widerstandsfähigkeit des Weizens gegen Steinbrand.) (Arb. allruss. Inst. Pfl.schutz, Moskau-Leningrad), Liefg. 3. 1951, 78—84.
- Noll, A.**, Über mikroskopische Anfangssymptome der Resistenz und Anfälligkeit von Weizensorten gegen *Puccinia glumarum*. *Phytopath. Ztschr.* 17. 1951, 400—405.
- Orjuela Navarrete, J.**, Las royas del trigo en Colombia. (Wheat rusts in Colombia.) [*Puccinia*] *Rev. Acad. colomb.* 8. 1951, 380—383, 2 tab. col. — Mexico *Ofic. Estud. Espec. Fol. Misc.* 4. 1951, 61—70.
- Osipov, A. E.**, (Experiments in oat selection for immunity to loose smut (*Ustilago avenae*.) *Seleksiia i Semenovodstvo* (Selection and Seed Growing) 18. 1951, nr. 3, p. 75—77.
- Pal, B. P.**, Wheat breeding investigations at the Indian Agricultural Research Institute. [*Puccinia, Ustilago*] *J. indian bot. Soc.* 30. 1951, nr. 1—4, p. 1—13.
- Pasinetti, L.**, La ruggine del «Grano perenne». (Rust of «perennial wheat».) *Boll. Studi Inform. Giard. Colon. Palermo* 19. 1951, 44—58.
- Paulus, A.**, and **Starr, G. H.**, Control of loose smut with antibiotics. [*Ustilago nuda* on barley] *Agron. J.* 43. 1951, 617.
- Pfeiffer, R.**, Ein Beitrag zur Frage der Vererbung der Schwarzrostresistenz des Hafers. *Veröff. Bundesanst. alp. Landwirtsch. Admont* H. 5. 1951, 60—65.
- Pfeiffer, R.**, Schwarzrostfeste Winterweizen. *Fortschr. Landwirt* 29. 1951, Nr. 18 (oder 19).
- Pfeiffer, R.**, Wege zur Schwarzrostbekämpfung im Getreidebau. *Fortschr. Landwirt* 29. 1951, Nr. 11.
- Pichler F.**, Über die Anfälligkeit der österreichischen Weizensorten für Weizensteinbrand (*Tilletia tritici*). *Bodenkultur, Wien*, 5. 1951, 61—66.
- Pichler, F.**, Zur Frage der Haferflugbrandbekämpfung. *Pflanzenarzt, Wien*, 4. 1951, Nr. 3, S. 1—2, 2 Abb.
- Pichler, F.**, Zwergsteinbrand auch in Österreich! *Pflanzenarzt, Wien*, 4. 1951, Nr. 11, S. 4, 1 Abb.
- Podhradzsky, J.**, A bóza közsöjégét okozó *Tilletia*-fajok elterjedése Magyarországon. (Expansion en Hongrie des espèces de *Tilletia* causant le charbon du blé.) *Mezőgazdasági tudományos közlemények* 2. 1951 (?), 1—13.
- Pohjakallio, O.**, Om den ekonomiska betydelsen av värsådens röstsjukdomar i Finland. (On the economic importance of spring cereal rust diseases in Finland.) [*Puccinia*] *Nord. Jordbr.forskn.*, København, nr. 2—3. 1951, 480—485.
- Pope, W. K.**, Wheat improvement adding smut, rust resistance. [*Puccinia graminis*] *Idaho agric. Sci.* 36. 1951, nr. 3, p. 6.
- Popp, W.**, Infection in seeds and seedlings of wheat and barley in relation to development of loose smut. *Phytopathology* 41. 1951, 261—275.
- Porse, Ö.**, (Black rust and Berberis.) *Lantbr.tidskr. Dalarna* 5/6. 1951, 195—196.
- Pugsley, A. T.**, Fifty years of wheat improvement in South Australia. [*Puccinia graminis*] *J. Dept. Agric. South Austr.* 54. 1951, 435—440, 4 fig.
- Putnam, H. O.**, Stem rust and approved South Dakota grain varieties. *Grain, Feed Rev.* 40. 1951, nr. 5, p. 14.
- Rademacher, B.**, Untersuchungen über die fungistatische und fungizide Wirkung des Cyanamids am Beispiel des Weizensteinbrandes (*Tilletia tritici* [Bjerk.] Winter). *Phytopath. Ztschr.* 17. 1951, 353—373.
- Revilla M., V. A.**, Nueva enfermedad del arroz en el Perú. [*Ustilaginoida virens*] *Vida Agric.*, Lima, 28. 1951, 767, 769.
- Robles G., L.**, Reacción de la variedades de trigo a *Puccinia triticea* Erikss. en Monterrey, N. L. Mexico. *Ofic. Estud. Espec. Fol. Misc.* 4. 1951, 81—83.
- Rodenhiser, H. A.**, and **Moore, E. G.**, The new stem rust threat. [on wheat] *Science n. ser.* 113. 1951, nr. 2941, p. 3.

- Rosen, H. R., and Murphy, H. C., Race 55 or 101 of crown rust of oats which attacks Victoria and bond derivatives. [Puccinia] Plant Dis. Repr. 35. 1951, 370—371.
- Rosen, H. R., and Murphy, H. C., A race of crown rust of oats apparently new to the United States. Phytopathology 41. 1951, 31.
- Rupert, J. A., Rust resistance in the Mexican wheat improvement program. [Puccinia] Mexico Ofic. Estud. Espec. Fol. Misc. 7. 1951, 44 p.
- Russell, R. C., The whole embryo method of testing barley for loose smut as a routine test. Proc. canad. phytopath. Soc. 17 (1950). 1951, 13 (Abstr.).
- Russell, R. C., and Popp, W., The embryo test as a method of forecasting loose smut infection in barley. [Ustilago nuda] Sci. Agric., Ottawa, 31. 1951, 559—565.
- Ryker, T. C., The Northwest is battling smut. [in wheat] West. Feed, Seed 6. 1951, nr. 9, p. 22, 29—30, 36.
- Saboe, L. C., The inheritance of reaction to Ustilago zeae (Beck.) Ung. in Zea mays. Minnesota Univ. Sum. Ph. D. Theses 5. 1951, 27—28.
- Sands, D. R., Common grain smuts and their control. Ontario Dept. Agric. Bull. nr. 481. 1951, 18 p.
- Sasonow, P. W., (Versuch vom Verspritzen kolloidalen Schwefels vom Flugzeug aus zum Schutze der Weizensaaten gegen Braunrost.) (Arb. allruss. Inst. Pfl.schutz, Moskau-Leningrad), Liefg. 3. 1951, 98—103.
- Sattar, A., and Hafiz, A., Occurrence and modes of perpetuation of flag smut (Urocystis tritici) of wheat in the Punjab. Pakistan J. Sci. 3. 1951, 113—118.
- Săvulescu, T., și Hulea, A., Contribuțiuni noi la studiul mărurii grâului. [Tilletia] Congr. int. Fitopat., Ent., Prot. Plant., Bucuresti (25. 7.—4. 8. 1949), 2. 1951, 179—198, 27 fig.
- Scaramuzzi, G., La Tubercinia tritici (Körnicke) Liro nella provincia di Pavia. Not. Mal. Piant. nr. 17. 1951, 52—56.
- Scossiroli, R., Comportamento differenziale verso il «carbone» (Ustilago zeae) di una serie di mais ibridi e varietà a fecondazione libera delle condizioni agronomiche della pianura Padana. Not. Mal. Piant. nr. 15. 1951, 17—19.
- Seurti, J., Sulla istopatologia del mais parassitato dall'Ustilago maydis. Ist. Sperim. Chim. agr. Torino 17. 1949—1951, 127—155, 3 fig., 6 tab.
- Shukowa, I. W., (Über die Bedingungen der Infektion von Winterroggen durch den Pilz Urocystis occulta (Vallroth) Rabenhorst.) (Mikrobiologie) 20. 1951, 152—154.
- Shumilenko, E. P., (Specialization of crown rust of oats (Puccinia coronata Corda.) Bot. Zhurn. 36. 1951, 635—642.
- Smart, M. E., The rust remover. [stem rust control] Co-op Grain Quart. 9. 1951, 42—45.
- Stakman, E. C., and Loegering, W. Q., Increase in prevalence of Puccinia graminis tritici race 15B and P. graminis avenae race 7 in 1950. Phytopathology 41. 1951, 33.
- Stapel, Ch., (Black rust in the country — battle against the barberry bushes.) [on grain] Dansk Landbrug 70. 1951, 417—418.
- Stapel, Ch., (On black rust and a directive about Berberis.) [on grain] Dansk Landbr. 70. 1951, 487—488.
- Swoiskaja, B. D., (Besonderheiten des Eiweißzerfalles bei Weizensorten mit verschiedener Wachstumsfähigkeit gegen Steinbrand.) (Arb. allruss. Inst. Pfl.schutz, Moskau-Leningrad), Liefg. 3. 1951, 85—90.
- Tervet, I. W., and Cassell, R. C., The use of cyclone separators in race identification of cereal rusts. Phytopathology 41. 1951, 286—290, 4 fig.
- Thiolière, J., L'hexachlorobenzène et la carie du blé. Rev. agric. Afr. Nord 49. 1951, 713—714.
- Thorpe, H. C., A note on the release of some new cereal varieties. III. [Puccinia] East Afr. agric. J. 17. 1951, nr. 2, p. 88—89.
- Tomiyama, H., Pathogenicity of two sclerotial snow blight fungi. [Typhula itoana, Typhula ishikariensis] Agric. and Hort., Tokyo, 26. 1951, 1105—1106.
- Vaheeduddin, S., Two new physiologic races of Sphaerolotheca sorghi. Indian Phytopath. 3. 1951, 162—164.
- Vallega, J., Características de la raza fisiológica 45 de »Puccinia coronata avenae« aislada en la Argentina. (Characteristics of physiologic race 45 of Puccinia coronata avenae isolated in Argentina.) Rev. Invest. agric., Buenos Aires, 4. 1951, 337—339.
- Vallega, J., Consideraciones sobre la raza 15B de Puccinia graminis tritici. (Considerations on race 15b of Puccinia graminis tritici.) IDIA (Inform. Invest. agric. Argent.) 4. 1951, nr. 45, p. 14—17.
- Vallega, J., Cenóz, H. P., Favret, E., Sarasola, J. A., Tessi, J. L., Horovitz, N., Cialzeta, C., Frecha, J. H., y Rodríguez Amecha, P., Epifitia de la roya del tallo en los cultivos de trigo en 1950. (An epiphytic of stem rust in wheat crops in 1950.) [Puccinia graminis tritici] Hoja inform. Minist. Agric., B. Aires, nr. 13. 1951, 3 p., 5 fig., 3 tab. geogr.
- Viennot-Bourgin, G., Étude morphologique de quelques lésions charbonneuses des végétaux. Ann. Épihyties (Ann. Inst. nat. Rech. agron. sér. C), Paris, 2. 1951, 456—478, 4 fig.
- Voitchishina, O. N., (Controlled rearing of winter wheats (for resistance to rust).) Selektisia i Semenovodstvo (Selection and Seed Growing) 18. 1951, nr. 10, p. 71—73.
- Waldron, L. R., Breeding for rust resistance in tropical Africa. [wheat] North Dakota agric. Exp. Stat. Bi-monthly Bull. 13. 1951, 218—219.

- Waldron, L. R.**, A plant breeder works with 15B. [form of wheat stem rust] North Dakota agric. Exp. Stat. Bi-monthly Bull. 13. 1951, 126—128.
- Wallin, J. R.**, An epiphytotic of corn rust in the North Central Region of the United States. Plant Dis. Reprtr. 35. 1951, 207—211, 1 fig.
- [Warmbrunn, K.]**, Was ist gegen den Kurzsteinbrand zu tun? (Mitteilung des Pflanzenschutzamtes.) Württ. Wochenbl. Landw. 118. 1951, 747.
- Waterhouse, W. W.**, New race of wheat stem rust in Australia. Plant Dis. Reprtr. 35. 1951, 55.
- Welsh, J. N., and Johnson, T.**, The source of resistance and the inheritance of reaction to 12 physiologic races of stem rust, *Puccinia graminis avenae* (Erikss. and Henn.). Canad. J. Bot. 29. 1951, 189—205, 1 tab.
- Wu, Y. S.**, Production of stem rust sori on albino barley. Proc. canad. phytopath. Soc. 18. Sess. 1951, 20—21 (Abstr.).
- Young jr., H. C., and Wadsworth, D. F.**, Experimental forecast of wheat leaf rust in Oklahoma for 1951. Plant Dis. Reprtr. 35. 1951, 300.
- Zhukova, I. V.**, (Conditions for infestation of winter rye with the fungus *Urocystis occulta* (Vallroth) Rabenhorst.) Microbiologija, Moskau, 20. 1951, 152—154.
- Zscheile, F. P.**, Nutrient studies with the wheat bunt fungus, *Tilletia caries*. Phytopathology 41. 1951, 1115—1124.
- Amendments of black stem rust quarantine and regulations.** U. S. Dept. Agric., Bur. Ent., Plant Quar., Q. 38. 1951, 3 p.
- Barberry bushes spread stem rust to wheat, oats, barley, rye.** U. S. Dept. Agric. Leaf. 315. 1951, 6 p.
- Barberry eradication.** U. S. Dept. Agric., Bur. Ent., Plant Quar., 1951?, 1 p.
- Bread-basket endangered.** [*Puccinia graminis*] Sci. News Letter 59. 1951, nr. 1, p. 3.
- Carié du froment.** Rev. rom. Agric., Vitic., Arboric. 7. 1951, 63.
- Crop trials — report for 1951.** [*Puccinia*] Countryman, Cyprus, 5. 1951, nr. 11, p. 15—17.
- Destroy rust-spreading barberries; protect wheat, oats, barley, and rye from stem rust.** Montana State Coll. Ext. Circ. 230. 1951, 8 p.
- Getreide-Schwarz-Rost in Dänemark.** Bauernbl. Schlesw.-Holst. 5/101. 1951, 1181.
- The reaction of the various wheat varieties against rust during 1949—50.** Plant Prot. Bull., New Delhi, 3. 1951, nr. 1, p. 16—17.
- (Report on the measures taken for the extermination of Berberis in the district of the Agricultural Society of Skaraborg Province during the year 1950.)** Skaraborgs Läns Hushälsk. Tidn. 1951, 209—211.
- Sortrustens bekaempelse.** Udryd de farlige berberisbuske. (Control of black rust (*Puccinia graminis*). Exterminate the dangerous Berberis bushes.) Stat. Forsogsvirks. Plantekult. Meddel. 472. 1951, 4 p.
- Utrötning av berberisbusken.** Stat. Växtskyddsans., Stockholm, Flygl. nr. 96. 1951, 4 p., 1 tab.

Fungi imperfecti

Arny, D. C., Inheritance of resistance to spot blotch in barley seedlings. Phytopathology 41. 1951, 691—698, 1 fig.

Atkins jr., J. G., Helminthosporium victoriarum as a leafspotting pathogen on oats in Louisiana. Phytopathology 41. 1951, 300—301, 1 fig.

Bakshi, B. K., Seedling blight and foot rot of cereals caused by *Fusarium avenaceum* (Fr.) Sacc. and *Fusarium culmorum* (W. G. Sm.) Sacc. Indian Phytopath. 4. 1951, 162—169, 1 fig.

Becker, A., Über das Auftreten der Federbuschsporenkrankheit im Rheinland. Gesunde Pflanzen 3. 1951, 219—220, 1 Abb.

Bell, F. H., Anthracnose of cereals and other grasses. Ohio State Univ. Doct. Diss. 61. 1951, 31—36.

Benada, J., (A contribution to the study of infection of some corn varieties with *Helminthosporium turcicum* Pass.) Sborník českosl. Akad. Zeměd. 24. 1951, 288—300.

Chattopadhyay, S. B., Effect of spraying with different fungicides on the control of secondary airborne infection of paddy plants by *Helminthosporium oryzae* Breda de Haan. Sci. and Cult., Calcutta, 16. 1951, 533—543.

Cralley, E. M., and French, R. G., Control of *Helminthosporium oryzae* seedling blight of rice by seed treatment with Ceresan M. Phytopathology 41. 1951, 8.

Doke, G., (On the outbreak-forecast of rice blast in Oita Prefecture.) Kyushu Noji Shikinjo 8. 1951, 85—86.

Earhart, R. W., *Helminthosporium* crown and culm rot of Southland oats. Phytopathology 41. 1951, 11.

Ekstrand, H., (Wintering over fungus on fall grain and forage grasses.) [*Fusarium*] Nord. Jordbr. forskn. 2/3. 1951, 522—528.

Hingorani, M. K., and Prasad, N., Seedling blight of rice in Sind. [*Curvularia lunata*, *Helminthosporium oryzae*, H. sp.] Indian Phytopath. 4. 1951, 60—63.

Hrushovetz, S. B., Effects of amino acids on the pathogenicity of *Helminthosporium sativum*. [on wheat] Proc. canad. phytopath. Soc. 18. Sess. 1951, 16 (Abstr.).

Hsia, Y.-T., and Christensen, J. J., Effect of 2, 4-D on seedling blight of wheat caused by *Helminthosporium sativum*. Phytopathology 41. 1951, 1011—1020, 3 fig.

- Ishizuka, Y., and Hayakawa, Y., Resistance of rice plant to the imochi (rice blast) disease and its relation to the silica and magnesia contents. [Piricularia oryzae] J. Sci., Soil, Manure (Japan) 21. 1951, 253—260.
- Ivanoff, S. S., Mass screening in oat breeding. A seed laboratory method for testing resistance of oats to Victoria blight. J. Heredity 42. 1951, 225—230.
- Kuang, H. H., Studies on rice cytology and genetics as well as breeding work in China. [resistance to Piricularia oryzae] Agron. J. 43. 1951, 387—397.
- Lebeau, F. J., A method for large-scale inoculation of sorghum with Colletotrichum. Phytopathology 41. 1951, 378—379, 1 fig.
- Lebeau, F. J., Stokes, I. E., and Coleman, O. H., Anthracnose and red rot of sorghum. [Colletotrichum graminicolum] U. S. Dept. Agric. Techn. Bull. 1035. 1951, 21 p.
- Lespès, L., Note sur la piriculariose du riz. [Piricularia grisea] Chambre franç. Agr. Rég. Rabat, Rharb, Ouezzane Bull. 17. 1951, 2851—2852.
- Lovisolò, O., Osservazioni preliminari sui funghi parassiti Hadrotrichum phragmitis e H. sorghi. Nuovo Giorn. bot. ital. 58 (n. ser.). 1951, 619—621.
- McKeen, W. E., A preliminary study of corn seedling blight in southern Ontario. Canad. J. Bot. 29. 1951, 125—137.
- Malaguti, G., Mancha de la hoja envainadora del arroz causada por Rhizoctonia solani. (Sheath spot disease of rice caused by Rhizoctonia solani.) Agron. trop., Maracay, 1. 1951, 71—75, 2 fig.
- Malaguti, G., Silva C., J. S., y Ravanello, G., Condiciones que favorecieron el desarrollo del brusone (Piricularia oryzae Cav.), en los arrozales del Estado Portuguesa en el año 1950. (Conditions that favoured the development of »brusone« (Piricularia oryzae Cav.) in the rice fields of the State of Portuguesa in the year 1950.) Agron. trop., Maracay, 1. 1951, 29—49, 5 fig.
- Malaguti, G., Silva C., J. S., y Ravanello, G., Ensayos acerca de la influencia del abonamiento sobre el »brusone del arroz« (Piricularia oryzae Cav.). (Experiments on the influence of fertilizing on »rice brusone« (Piricularia oryzae Cav.) Agron. trop., Maracay, 1. 1951, 131—148, 6 fig.
- Mariani, C., La concimazione potassica in relazione alla resistenza al »brusone« parassitario del riso. (Potassium fertilizer in relation to resistance to parasitic »blast« of rice.) [Piricularia oryzae] Not. Mal. Piante nr. 16. 1951, 28—31.
- Murillo Peralta, G., Resistencia del maíz al Fusarium moniliforme Sheld. Mexico Ofc. Estud. Espec. Fol. Misc. 4. 1951, 52—57.
- Namowa, N. A., (Material zur Feststellung der zugelassenen Normen der durch Fusariosen befallenen Weizensaat.) (Arb. allruss. Inst. Pfl.schutz, Moskau-Leningrad), Liefg. 3. 1951, 104—114, 1 Abb.
- Okamoto, H., Saito, M., Morihashi, T., and Yanagisawa, T., (On the relation between leaf blast (Piricularia oryzae) and the stage of growth of rice plant.) J. Hokuriku Agric. 1. 1951, nr. 2, p. 45—52.
- Ono, K., (Studies on the snow blight of wheat and barley. 1. Morphology of leaf lesions on wheat and barley caused by Fusarium nivale (Fr.) Ces.) J. Hokuriku Agric. (jap.) 1. 1951, nr. 2, p. 72—75.
- Peiris, J. W. L., Plant diseases: bakanae disease (Fusarium moniliforme) and foot rot of paddy. Trop. Agric., Peradeniya, 107. 1951, 172—175.
- Pichler, F., Ein für Österreich neuer Blattfleckenpilz auf Gerste. [Marssonina graminicola] Pflanzenarzt, Wien, 4. 1951, Nr. 6, S. 3—4, 1 Abb.
- Roman, H., and Ullstrup, A. J., The use of A—B translocations to locate genes in maize. [Helminthosporium carbonum] Agron. J. 43. 1951, 450—454, 4 fig.
- Saccas, A., Étude morphologique, biologique et expérimentale d'un Fusarium ravageur des cultures de riz à la Station Centrale de Boukoko (A. E. F.). Rev. Path. vég. Ent. agric. France 30. 1951, 65—96, 3 tab.
- Sarasola, A. A., y Garesse, P., Resistencia a Helminthosporium sativum en plantitas de trigo y cebada por tratamiento de la semilla con sulfato de cobre. Phytón, Buenos Aires, 1. 1951, 47—67, 1 fig., 1 tab.
- Schumilenko, E. P., (Versuche der zusätzlichen Düngung bei der Bekämpfung der Streifenkrankheit der Gerste.) (Arb. allruss. Inst. Pfl.schutz, Moskau-Leningrad), Liefg. 3. 1951, 74—77.
- Sherbakoff, C. D., A correction of the identification of Helminthosporium causing black ear rot of corn. Phytopathology 41. 1951, 378.
- Simmonds, P. M., Sallans, B. J., and Ledingham, R. J., The occurrence of Helminthosporium sativum in relation to primary infections in common rootrot of wheat. Proc. canad. phytopath. Soc. nr. 18. 1951, 14 (Abstr.).
- Singh, R. S., Mehta, P. R., and Singh, B., Red spot diseases of leaves of jowar (Andropogon sorghum Brot.). I. Ascochyta leaf spots. Indian Phytopath. 4. 1951, 45—57.
- Steffens, Der Schneeschimmel, eine Frühjahrskrankheit unseres Wintergetreides. Rhein. Bauernztg. 5. 1951, 84.
- Stevenson, F. V., Wolf, E. A., and Bregger, Th., A preliminary report on the testing of sweet corn for resistance to Helminthosporium turcicum Pass. at the Everglades Experiment Station in 1950—51. Plant Dis. Repr. 35. 1951, 488.
- Stoner, W. N., A report on the influence of spray additives on control of Helminthosporium turcicum Pass. in the Everglades. Plant Dis. Repr. 35. 1951, 487—488.

- Suzuki, H.**, Studies on the relation between the susceptibility of pedicel of panicle ("hokubi") of rice plant to blast disease caused by the low soil temperature and its anatomical characters. [Piricularia oryzae] Ann. phytopath. Soc. Japan 15. 1951, 72—78.
- Suzuki, H.**, (Studies on the relation between the susceptibility of rice plant to blast disease caused by low soil temperature and its anatomical and physiological characters.) [Piricularia oryzae] (Forsch. Pfl.krankh.), Kyoto, 4. 1951, 46—54.
- Tanaka, S.**, and **Katsuki, H.**, (Biochemical studies on the blast disease of rice plant. I. On the nutritional absorption of the blast disease fungus.) [Piricularia oryzae] Ann. phytopath. Soc. Japan 15. 1951, 109—113, 5 fig.
- Taylor, G. S.**, **Semeniuk, G.**, and **Melhus, I. E.**, Guatemalan corn as a source of resistance to Helminthosporium turcicum in maize. Phytopathology 41. 1951, 34.
- Togliani, F.**, Il mal del piede del riso da Fusarium moniliforme Sh. nella pianura Emiliana. (Foot rot of rice caused by Fusarium moniliforme Sh. on the Emilian plain.) Not. Mal. Pianta nr. 16. 1951, 20—22.
- Tschumakow, A. E.**, (Biologische Methode der Boden-desinfektion gegen den Erreger der Wurzelfäule des Weizens, Helminthosporium sativum P. K. et B.) (Arb. allruss. Inst. Pfl.schutz, Moskau-Leningrad), Liefg. 3. 1951, 58—68.
- Tullis, E. C.**, Fusarium moniliforme, the cause of a stalk rot of sorghum in Texas. Phytopathology 41. 1951, 529—535, 1 fig.
- Wallace, G. B.**, Pink ear rot of maize. [Fusarium graminearum] Tanganyika Dept. Agric. Mycol. Circ. 28. 1951, 5 p.
- Watanabe, T.**, (Studies on the vaccine therapy of the blast disease of rice plants. 6. The effect of various vaccines of rice blast fungus to the development of the rice plant and of the causal fungus.) [Piricularia oryzae] (Forsch. Pfl.krankh.), Kyoto, 4. 1951, 55—63.
- Yoshii, H.**, and **Matsumoto, M.**, (Studies on the resistance to helminthosporiose of the rice varieties introduced to Japan. I.) Matsuyama agric. Coll. Sci. Rept. 6. 1951, 23—60.
- Spiringsfusarirose og sneskimmel.** Tidsskr. Planteavl, København, 54. 1951, 156—157, 1 fig. (Stat. Forsøgs-virks. Plantekultur Meddel. 442).
- Saatgut-Beizung**
Seed disinfection
Désinfection de semences
- Andrén, F.**, (Need and preparations for seed treatment.) Lantmannen 35. 1951, 218, 221.
- Andrén, F.**, 1949—50 års betningsförsök med stråsåd. Växtskyddsnotiser, Stockholm, 15. 1951, 12—16.
- Andrén, F.**, (The seed treatment has been very beneficial to the grain crops.) Lantmannen (swed.) 35. 1951, 631—632.
- Black, M. A.**, The effect of hot-water treatment on the germination of dreadnought wheat. New Zealand J. Sci. Techn. (A) 33. 1951, nr. 1, p. 44—48.
- Blair, I. D.**, Seed wheat studies with reference to efficient fungicidal dust coverage. Int. Congr. Crop Prot. Proc. 2 (1949). 1951, 26—36.
- Boer, J. R.**, Some problems of cereal seed disinfection. Int. Congr. Crop Prot. Proc. 2 (1949). 1951, 37—41.
- Cercos, A. P.**, Efecto de la bacilomicina y fungocina sobre la germinación del trigo. Rev. argent. Agron. 18. 1951, 33—35.
- Davidson, R. S.**, and **Den Shen Tu**, Microflora associated with surface-sterilized wheat seed. Phytopathology 41. 1951, 9.
- Dickson, J. G.**, Barley seed treatment. Barley Impr. Conf. Rept. 7. 1951, 4—6.
- Fichtner, G.**, Beizung des Saatroggens gegen Schneeschimmel. Mitt.bl. Landesverb. Gartenbau, Landw. Berlin 1. 1951, 165—166, 1 Abb.
- Fischer, H.**, Darum Saatbeize! 40 Jahre erfolgreiche Bekämpfung der Getreidekrankheiten. Landw. Wochenbl. München 141. 1951, 874, 1 Abb.
- Hansen, K.**, Maskiner for afsvampning af såkorn og for sprøjtning og pudring af planter. (Machines for the fungicidal treatment of cereal seed and for the spraying and dusting of plants.) Nord. Jordbr. forskn., København, nr. 2—3. 1951, 519—521.
- Hastings, L.**, Seed treatment studies for control of rice Helminthosporium. Mexico Ofic. Estud. Espec. Fol. Misc. 4. 1951, 90—99.
- Helm, C. A.**, The use of pre-emergence sprays in corn production. Down to Earth 6. 1951, nr. 4, p. 12.
- Henry, A. W.**, **Millar, R. L.**, and **Peterson, E. A.**, Control of covered smut of wheat by rapid seed treatment with an antibiotic. Science 115. 1952, 90—91.
- Henry, A. W.**, **Peterson, E. A.**, **Millar, R. L.**, and **Horricks, J. S.**, Control of covered smut of oats by seed treatment with an antibiotic. Science 113. 1951, 390.
- Jameson, H. R.**, und **McC. Callan, I. W.**, (Einfluß des Saatbeizens mit Gamma-BHC auf die Keimung von Getreide.) Nature, London, 167. 1951, 490.
- Keilholz, G.**, Die Notwendigkeit der Saatgutbeizung. Landw. Wochenbl. München 141. 1951, 780—781.
- Kiseleva, E. N.**, (Effect of dusting with benzene hexachloride on seed germination of grain crops which were previously treated.) Selekttsiia i Semenovodstvo (Selection and Seed Growing) 18. 1951, nr. 8, p. 80.
- Klauß, D.**, Vergeßt die Beizung des Saatgutes nicht! Saarl. Bauernbl. 5. 1951, 197.
- Koehler, B.**, and **Bever, W. M.**, A new seed treatment for disease control. Illinois agric. Coll. Ext. AG 1508. 1951, 1 p.

- Korhammer, K.**, Die Wirkung der Saatgutbeizung. Landw. Ztschr. Nord-Rheinprov. 118. 1951, 716—717, 3 Abb.
- Lachance, R. O.**, Les méthodes modernes de désinfection des céréales. [rouille] Agriculture, Montreal, 8. 1951, 165—170.
- Leib, E.**, Die lohnendste Getreideanbau-Versicherung bleibt die Saatgutbeizung. Saarl. Bauernbl. 5. 1951, 37—38, 9 Abb.
- Lenkel, R. W.**, Cereal seed-treatment results (additions and corrections). Plant Dis. Repr. 35. 1951, 485—486.
- Leukel, R. W.**, Cooperative seed-treatment tests on small grains in 1951. Plant Dis. Repr. 41. 1951, 445—451.
- Leukel, R. W.**, Sorghum seed treatment studies in 1951. Plant Dis. Repr. 41. 1951, 451—452.
- Maier-Bode, F. W.**, Die wissenschaftlichen Grundlagen der Saatgutaufarbeitung. Naturwiss. Rundschau 4. 1951, 426—431, 8 Abb.
- Martinez, J.**, Tratamientos de las semillas en los cultivos de maiz, hortalizas y sorgos. Mexico Ofic. Estud. Espec. Fol. Misc. 4. 1951, 162—165.
- Mercer, R.**, Treat your grain. Seed treatment is good insurance, investment. Montana Farmer-Stockman 38. 1951, nr. 12, p. 14, 31.
- Naundorf, G. y Serrano, C.**, Contribución al tratamiento de semillas de maíz para aumentar y asegurar la cosecha. Un proceso nuevo combinado de fertilización, desinfección y hormonización. (Contribution to the treatment of maize seeds to augment and assure the harvest. A new combined process of fertilizing, disinfection, and hormonization.) Acta agron., Palmira (Colombia), 1. 1951, 87—92.
- Nielsen, O.**, Dänische Erkenntnisse in der Getreidebeizung nach 18jährigen Feldversuchen. Höfchen-Briefe, Leverkusen, 4. 1951, 19—21.
- Ortega Cantero, B.**, Los trabajos de limpia, selección y desinfección de semilla de trigo, como medidas de control y combate de plagas y enfermedades. Mexico Of. Estud. Espec. Fol. Misc. 4. 1951, 83—88.
- Poljakow, J. M., und Kalaschnikow, K. J.**, (Neue Beizmittel zur Bekämpfung des Weizensteinbrandes.) (Arb. allruss. Inst. Pfl.schutz, Moskau-Leningrad, Liefg. 3. 1951, 91—97.
- Rademacher, B.**, Gegen den Weizensteinbrand. [Tritisan-Beize] Umschau 51. 1951, 602.
- Rapin, J.**, Die Prüfung der zur Bekämpfung des Stinkbrandes bestimmten Beizmittel. [Tilletia tritici] Schweizer Bauer 105. 1951, Nr. 11, S. 3.
- Rui, D.**, («Treatment» of grain seed.) Agric. Venezia 5. 1951, 545—546.
- Schmitt, H.**, Die Saatgutbeizung einmal anders gesehen! Rhein. Bauernztg. 5. 1951, 376—377.
- Stöhr, W.**, Selbstverständlich Saatgutbeizung. Landw. Wochenbl. Kurh. u. Waldeck 166. 1951, 932.
- Stolze, K. V., und Holz, W.**, Getreidebeizung ohne Geräte. Gesunde Pflanzen 3. 1951, 80—81.
- Togliani, F.**, Apparati per la concia a secco dei cereali. Inform. Fitopat., Bologna, nr. 13. 1951, 5—8, 5 fig.
- Traaen, A. E.**, Retningslinjer ved prøvning av beismidler. (Guiding principles in the testing of disinfectants.) Nord. Jordbr.forskn. nr. 2—3. 1951, 495.
- Tveit, M.**, Commercial cereal seed treatment with panogen: comments and evidence on some published observations. Plant Dis. Repr. 35. 1951, 49—50.
- Tyner, L. E.**, Control of loose smut of barley by chemical and physical treatments. [Ustilago nuda] Sci. Agric., Ottawa, 31. 1951, 187—192.
- Vidal Mora, J. M.**, La desinfección de la simiente de trigo. Bol. Agric. Balearic. Isl. Diputación Prov. 77. 1951, 10—11.
- Warmbrunn, K.**, Beizt das Sommergetreide! (Mitteilung des Pflanzenschutzamtes.) Württ. Wochenbl. Landw. 118. 1951, 175.
- Warmbrunn, K.**, Beizt das Wintersaatgetreide! Bad. landw. Wochenbl. 118. 1951, 566.
- Warmbrunn, K.**, Beizt Weizen und Roggen! (Mitteilung des Pflanzenschutzamtes.) Württ. Wochenbl. Landw. 118. 1951, 769—770.
- Wettinger, Beizen und vor Krähen schützen!** Bad. landw. Wochenbl. 118. 1951, 170.
- Winkelmann, A.**, Warum verstärkte Saatgutbeizung? Gesunde Pflanzen 3. 1951, 195—196.
- Gebeizte Weizenelitebestände von Steinbrand befallen!** (Hinweis der Landwirtschaftskammer Koblenz, Außenstelle Trier.) Rhein. Bauernztg. 5. 1951, 358.
- Ontsmetting van zaaizaad bij mais.** (Disinfection of corn seed.) Netherl. plantenziektenkdg. Dienst Ber. 935. 1951, 2 p.
- I. Verzeichnis geprüfter und anerkannter Getreide-Trockenbeizmittel. II. Verzeichnis geprüfter und anerkannter Getreide-Naßbeizmittel.** Merkbl. Biol. Bundesanst., Braunschweig, Nr. 2. 4. Aufl. 1951, 2 S.

Unkräuter

Weeds — Mauvaises herbes

- Altona, R. E., and Mentz, N. J.**, The control of weeds in maizelands with selective plant growth regulators. South afr. Weed Control Conf. Proc. 1. 1951, 23—28.
- Altona, R. E., and Mentz, N. J.**, The control of weeds in maize with selective plant-growth regulators; second report 1949—50 season. Empire J. exp. Agric. 19. 1951, nr. 73, p. 26—32.
- Arashi, K., and Kunitake, M.**, (Studies on the distribution of weeds in the paddy field on which rice seeds were sown directly, with special reference of soil moisture.) Kyushu Noji Shikinjō 8. 1951, 23—24.

- Baldacci, E., Ciferri, R., Grancini, P., Marini, E., Paulin, G., e Tomaselli, R.**, Relazione sulle prove del diserbo chimico selettivo nel frumento, nel riso e nel mais per l'anno 1950. (Report on selective chemical weeding on wheat, rice, and corn during the year 1950.) Not. Mal. Piante nr. 14. 1951, 52—63.
- Baylor, J. E., and Gould, C. S.**, Observations from several field scale trials of calcium cyanamid for pre-emergence weed control in corn. Northeast. Weed Control Conf. Proc. 5 (sup.). 1951, 111—114.
- Chabrolin, C.**, Dix années de recherches et d'essais sur le désherbage sélectif des céréales. Position actuelle du problème. Compt. rend. Acad. Agric. France 37. 1951, 219—222.
- Chabrolin, C., et Thellot, B.**, Résultats acquis en France dans l'emploi du sel de soude du 2: 4-D comme désherbant sélectif des céréales. Int. Congr. Crop Prot. Proc. 2 (1949). 1951, 70—74.
- Chouard, P.**, Comment employer les »hormones« comme désherbants sélectifs dans les céréales? Agric. Prat. 115. 1951, 233—237.
- Ciferri, R.**, Anomalia nelle piante di mais da trattamenti diserbanti con »2,4-D«. Not. Mal. Piante nr. 14. 1951, 4—7.
- Da Silva, A. R.**, (Weeds dangerous to wheat fields.) Agric. e Pecuaria (portug.) 23. 1951, nr. 336, p. 47.
- De Rege, F.**, (Study of surface tension of liquids and solutions.) [herbicides for rice fields] Risicoltura 39. 1951, 76—87.
- Desclaude, G.**, Une question d'actualité; le désherbage chimique des céréales. Paysan franç. 26. 1951, nr. 400, p. 16, 20.
- Deter, Unkrautbekämpfung auf Getreideschlägen.** Landw. Wochenbl. Kurh. u. Waldeck 166. 1951, 988.
- Eggink, H. J., en Riepma, P.**, Voorlopige mededeling over de invloed van chemische onkruidbestrijdingsmiddelen op de opbrengst van een graangewas. Maandbl. Landbouwvoorl. dienst 8. 1951, 101—103.
- Elder, W. C.**, Control of weeds in field crops. Sorghums. North Centr. Weed Control Conf. Res. Rept. 7 (1950). 1951?, 104—107.
- Engelmann, H.**, Kampf gegen das Unkraut im Wintergetreide! Landw. Wochenbl. Westf. u. Lippe 108 A. 1951, 361.
- Freed, V. H., Warren, R., and Leach, C. M.**, Selective weed control in grain and grass crops. Oregon State Coll. Ext. Bull. 719. 1951, 31 p.
- Fronza, F. M.**, Control of water hyacinth (Eichhornia crassipes) in lowland rice fields with herbicides. Agric., ind. Life 13. 1951, nr. 3, p. 30.
- Gautheret, R. J.**, Remarques sur l'emploi de l'ester éthylique du 2—4 D pour le désherbage des champs de céréales. Agric. Prat. 115. 1951, 560—564.
- Ghiglieri, F.**, I diserbanti selettivi per la lotta contro le erbe infestanti dei cereali: guida pratica ad uso degli agricoltori. (Selective herbicides for the control of weeds in grain; practical guide for farmers.) Pappagallo, Roma 1951. 20 p.
- Godbout, E.**, Effects of herbicides on cereal crops (oats). Canada nat. Weed Comm., East. Sec., Proc. 4. 1951, 21—23.
- Greve, Zu: die Unkrautbekämpfung mit chemischen Mitteln im Getreide.** Landw. bl. Weser-Ems 98. 1951, 118—119.
- Gunar, I., and Berezovskii, M.**, (Chemical weeding of cereals.) Kolkhoz. Proizvodstvo (russ.) 11. 1951, nr. 4, p. 23—25.
- Helgeson, E. A.**, Control of weeds in field crops. Spring sown grain. North Centr. Weed Control Conf. Res. Rept. 7 (1950). 1951?, 68—80.
- Helm, C. A.**, The use of pre-emergence sprays in corn production. [weeds] Down to Earth 6. 1951, nr. 4, p. 12.
- Hes, J. W.**, (The question ofalang grass in rice fields.) Econ. Weekbl. Indonesië 17. 1951, 180.
- Higgins, F. H.**, Rice growers get weed answers. Calif. Farmer (north. Ed.) 194. 1951, 352—353.
- Hoshaw, R. W., and Guard, A. T.**, Morphological and anatomical effects of 2,4—D on young corn plants. Bot. Gaz. 113. 1951, 65—74.
- Kalinkevich, A. F., and Lavrovskii, D. G.**, (Chemical measures for weed control in the plantings of branching wheat.) Sovet. Agron. 9. 1951, nr. 4, p. 87—90.
- Kasahara, Y.**, Some tests on the use of 2,4-dichlorophenoxyacetic acid for controlling weeds in paddy fields. 1—2. Ber. Ohara Inst. Landw. Forsch. 9. 1951, 441—450, 454—461.
- Kawagoe, H., and Kawazoe, Y.**, (Influences of 2,4-D on the growth of rice plant.) Kyushu Noji Shikenjo 8. 1951, 27—28.
- Kott, S. A.**, (Chess (Bromus secalinus) and its control in the plantings of winter cereals.) Seleksiia i Semenovodstvo (Selection and Seed Growing) 18. 1951, nr. 5, p. 56—59.
- Lana, E. P., and Staniforth, D. W.**, Herbicide studies with sweet corn. Proc. amer. Soc. hortic. Sci. 58. 1951, 192—198.
- Lobstein, J.**, Le désherbage sélectif des céréales. Bull. Chambre Agric. Casablanca 22. 1951, nr. 239, p. 3—5.
- Longchamp, R., Roy, M., et Gautheret, R.**, Recherches sur l'action comparée de quelques désherbants sélectifs sur les céréales. Compt. rend. Acad. Sci., Paris, 232. 1951, 111—113.
- Marshall, E. R.**, Killing weeds in seeded grains. Amer. Agric. 148. 1951, 272.

- Meyer-Hermann, Die Bekämpfung der Unkräuter im Wintergetreide mit Kalkstickstoff. Gesunde Pflanzen 3. 1951, 48—49.
- Meyer-Hermann, Unkrautbekämpfung im Sommergetreide. Landw. Wochenbl. Kurh. u. Waldeck 166. 1951, 363.
- Olson, P. J., Zalik, S., Breakey, W. J., and Brown, D. A., Sensitivity of wheat and barley at different stages of growth to treatment with 2,4-D. Agron. J. 43. 1951, 77—83.
- Ordanini, P., L'uso dei diserbanti selettivi nella coltura del frumento in provincia di Milano. Humus 7. 1951, nr. 2, p. 23—27.
- Overland, A., and Rasmussen, L., Some effects of 2,4-D formulations in herbicidal concentrations on wheat and barley. Agron. J. 43. 1951, 321—324.
- Page, M., Comparative activity of various substances as herbicides and their future possibilities with special reference to the control of weeds in oats in the Western Province. South. afr. Weed Control Conf. Proc. 1. 1951, 29—32.
- Pfeiffer, R., Hormonpräparate gegen Getreideunkräuter — aber richtig angewendet. Fortschr. Landwirt 29. 1951, Nr. 7.
- Phillips, W. M., Effects of herbicides in growing crops. Fall-planted wheat, oats, and barley. North. Centr. Weed Control Conf. Res. Rept. 7 (1950). 1951?, 81—84.
- Piaccio, R., (Chemical weeding of the rice field with particular reference to the use of »Weedone«.) Riscicoltura [ital.] 39. 1951, 1—8.
- Piaccio, R., Il diserbo biochimico in risaia. Giorn. Agric. 61. 1951, 173.
- Piaccio, R., Impiego dei diserbanti selettivi in risaia nella prossima campagna di monda. Coltiv., Giorn. vinic. ital. 97. 1951, 167—168.
- Rademacher, B., und Ozolinš, J., Einfluß der Getreidekonkurrenz und des Nährstoffgehalts im Keimsubstrat auf Keimung und Jugendentwicklung verschiedener Unkräuter. Angew. Bot. 26. 1951, 69—93, 2 Abb.
- Raleigh, S. M., Clyde, A. W., Patterson, R. E., and Alderfer, R. B., Spraying with 2,4-D while cultivating kills broadleaved weeds in corn rows. Pennsylv. agric. Exp. Stat. Bull. 540 (sup. 1). 1951, 3—4.
- Raul, A., (Weat weeds.) Lav. e Criação (Brazil) 13. 1951, nr. 12, p. 53—54.
- Read, H., New weed threatens cornbelt. [Alopecurus] Successful Farming 49. 1951, nr. 6, p. 94, 96—97.
- Reines, M., and Grove jr., A. R., Some anatomical responses of corn to treatment with 2,4-dichlorophenoxyacetic acid. Pennsylv. agric. Exp. Stat. Bull. 541. 1951, 16 p.
- Rosella, E., Il fauna luttur contre les mauvaises herbes dans les céréales. Progr. Agric., Vitic. 1951, 254—259.
- Sokolow, N. S., and Chesalin, G. A., (Chemical measures for weed control in the cereal plantings.) Sovet. Agron. 9. 1951, nr. 5, p. 10—23.
- Stolze, Die Unkrautbekämpfung mit chemischen Mitteln im Getreide. Landw. bl. Weser-Ems 98. 1951, 96—97.
- Stryckers, J., La lutte contre l'épi du vent (Apera spica-venti P. B.) dans le froment, au moyen de la caleyanamide. Rev. Agric. 4. 1951, 1600—1605.
- Templeman, W. G., and Wright, J. O., Relative effects of the n-butyl esters of 2-methyl 4-chlorophenoxyacetic acid and of 2:4-dichlorophenoxyacetic acid on cereals. Nature, London, 167. 1951, 71—72.
- Tilemans, E. M., et Detroux, L., Considerations sur l'utilisation des herbicides selectifs dans les cultures de céréales. Rev. Agric. 4. 1951, 611—619.
- Tullis, E. C., Herbicides for accelerating maturation of rice. South. Weed Conf. Proc. 4. 1951, 1—2.
- Vianna e Silva, M., (Weeds infesting the rice field. II. Direct methods of control.) Vida Agr., Lisboa, 14. 1951, nr. 85, p. 4—6.
- Vikulova, N. V., (Methods of tilling black fallow in South-East of USSR.) [weed control in wheat fields] Sovet. Agron. 9. 1951, nr. 4, p. 53—58.
- Willard, C. J., Control of weeds in field crops: Corn. North Centr. Weed Control Conf. Res. Rept. 7 (1950). 1951?, 96—103.
- Zitowitsch, I. K., (Chemical weeding of wind-blown young growths of sunflowers in the plantings of grain crops.) Sovet. Agron. 9. 1951, nr. 12, p. 85—86.
- Control de malezas en cereales. Inter-amer. Conf. Agr. Trab. Técn. 4. 1951, 126—132.
- Le désherbage sélectif des céréales. Terre maroc. 25. 1951, nr. 254, p. 1—10.
- Destruction des chardons dans les champs de céréales. Rev. rom. Agric., Vitic., Arboric. 7. 1951, 38.
- Onkruidbestrijding in haver (1947, 1948, 1949). Gestencilde Versl. interprov. Proeven (Centr.-Inst. landbouwkdg. Onderz.) nr. 21. 1951, 10 p.

d. Tierische Feinde

Animal parasites — Parasites animaux

Allgemeiner Teil

General part — Partie générale

- Bonvicini, M., Semente di grano senza lesioni. (Cereal seeds without injuries.) Cuppini, Bologna, 1951, 8 p.
- Bremer, H., Aus dem Pflanzenschutz in der Türkei. [Getreide und Hülsenfrüchte] Gesunde Pflanzen 3. 1951, 192—194 u. 224—225.
- Rabeler, W., Über die Tierwelt nordhannoverscher Roggenfelder. Ztschr. Pfl.krankh. 58. 1951, 401—404.
- Sánchez Potes, A., Control de las royas del maíz y del trigo por espolvoreaciones. Acta agron., Palmira (Colombia), 1. 1951, 169—174. — Mexico Ofic. Estud. Espec. Fol. Misc. 4. 1951, 57—61.

Vermes

- Christensen, J.**, (Advantage of rye.) [resistance to the oat nematode] Dansk Landbr. 70. 1951, 375—376.
- Mezzetti, A.**, L'anguillulosi radicale del frumento (Heterodera major). Inform. Fitopat., Bologna, Pubbl. quindic., Gr. II, nr. 15. 1951, 4—7, 1 fig.
- Nishizawa, T.**, and **Yamamoto, S.**, (Studies on the varietal resistance of rice plant to the rice nematode disease »Senchu-Singare Byo.«. II. A test of the leading varieties and part of breeding lines of rice plants in Kyushu.) Kyushu Noji Shikinto 8. 1951, 91—92.
- Silla, R. R.**, Anguillulosis de la raiz (Heterodera marioni — Cornu). Pampa Argentina 24. 1951, nr. 279, p. 22.
- Tullis, E. C.**, Control of the seed-borne nematode of rice by fumigation with methyl bromide. Texas agric. Exp. Stat. Progr. Rept. 1413. 1951, 4 p.
- Van der Vecht, J.**, Nematode investigations conducted in connection with the rice breeding program in Indonesia. FAO. Developm. Pap. Agric. 14. 1951, 66—67.
- Yoshii, H.**, (On the growth habit and yield of rice plants affected with Aphelenchoides oryzae.) Kyushu Univ. Fac. Agric. Sci. Bull. 12. 1951, 133—141.
- Yoshii, H.**, and **Yamamoto, S.**, (On some methods for the control of the rice nematode disease.) Kyushu Univ. Fac. Agric. Sci. Bull. 12. 1951, 123—131.

Arthropoda

Hexapoda

Allgemeiner Teil

General part — Partie générale

- Blackaller V., A.**, Las plagas del maíz en México. II.—IV. [insects] Tierra (Mexico) 6. 1951, 93—95, 115, 426—429, 804—807.
- Bollow, H.**, Fliegen und Mücken als Getreideschädlinge. Pflanzenschutz, München, 3. 1951, 149—154, 8 Abb.
- Chaboussou, F.**, La lutte contre les insectes nuisibles au maïs. Ann. Amélior. Plantes (Ann. Inst. nat. Rech. agron. sér. B), Paris, 1. 1951, 129—139.
- Dal Monte, G.**, (Wheat bugs.) Molini Italia 2. 1951, p. 12, 14.
- Decker, G. C.**, A practical field control program for corn insects. Canner 112. 1951, nr. 15, p. 14, 16—18. — Nat. Canners Assoc. Inform. Let. 1325. 1951, 120—121.
- Del Cañizo Gomez, J.**, Plagas de insectos en el trigo. Siembra, Madrid, 7. 1951, nr. 12, p. 15—19.

- Ditman, L. P.**, Is one spray effective to kill corn insects? Food Packer 32. 1951, nr. 4, p. 56—57, 60—61.
- Ditman, L. P.**, Ten case increase possible by spraying for sweet corn insects. 2. Food Packer, New York, 35. 1951, nr. 5, p. 57—59.
- Golebiowska, Z.**, (Les résultats de recherches sur les insectes nuisibles au céréales.) Polskie Pismo Ent. 20 (1950). 1951, 12—36.
- Grison, P.**, et **Martouret, D.**, Essai de destruction des insectes des grains par les courants à haute fréquence. Compt. rend. Acad. Agric. France 37. 1951, 422—424.
- Hanson, D.**, Wheat insects. Successful Farming 49. 1951, nr. 10, p. 54, 142—144, 146.
- Horber, E.**, Aktuelle Fragen der Schädlingbekämpfung im Ackerbau (Drahtwürmer, Engerlinge, Fritfliege, Hessemücke und Heuschrecken). Schweiz. landw. Ztschr. »Die Grüne« 1951, 16 S., 6 Abb.
- Joglar Rodríguez, F.**, Es necesario combatir los insectos que atacan al maíz. Lucha, Tabaco Co-op., Puerto Rico, 2. 1951, nr. 21—22, p. 11, 13, 19.

- Logothetis, C.**, Review of information on some insects affecting the rice crop in south-east Asia. FAO. Developm. Pap. Agric. 14. 1951, 38—53.
- Milner, M.**, Recent developments in methods for detecting internally infested wheat. [insects] Northwest. Miller (Milling Prod. Sect.) 245. 1951, nr. 2, p. 1a, 6a—8a, 10a—11a.

- Risbec, J.**, Les insectes nuisibles au riz dans le midi de la France. Phytoma, Paris, 4. 1951, nr. 32, p. 11—17, 20 fig.

- Vaniev, A. D.**, (Experiment in controlling agricultural pests with an insecticide which penetrates into the tissues of plants.) [use of preparation NIUF-100 for wheat pests] Vsesoiuzn. Akad. Sel'skhoz. Nauk Dokl. 16. 1951, nr. 3, p. 43—48.

- Walkden, H. H.**, Field infestation of ripening wheat by stored grain insects. Northwest. Miller (Milling Prod. Sect.) 245. 1951, nr. 11, p. 3a.

Orthoptera

- McBean, D. S.**, and **Platt, A. W.**, Differential damage to barley varieties by grasshoppers. Sci. Agric., Ottawa, 31. 1951, 162—175, 3 fig.
- Shirai, S.**, (Observation on the behaviour of hatching larvae of the rice grasshopper, Oxya vicina Brunner von Wattenwyl.) Oyo-Kontyu 7. 1951, 77 (Abstr.).

Thysanoptera

- Tanaka, T.**, (Morphological and biological studies of thysanopterous insects on rice plants.) Oyo-Kontyu 7. 1951, 125—133.

Heteroptera

- Achard, E., Note au sujet d'une punaise des blés »*Eurygaster integriceps*« (Hemiptère Pentatomidae). Almanach Agric. Tunisien 1951, 171—183.
- Albertsson, C. E., and Augustin, S., (*Aelia rostrata*, a new pest of wheat.) Lantmannen 35. 1951, 675—676.
- Galachow, P. N., (Control of *Eurygaster integriceps* with thiophos.) Sovet. Agron. 9. 1951, nr. 5, p. 49—55.
- Gates, D. E., Educational work on grain contamination. [insect control] Amer. Assoc. econ. Ent., North Centr. States Branch, Proc. 6. 1951, 34—35 (Abstr.).
- Granger, Les punaises du blé. [*Eurygaster*, *Aelia* spp.] Almanach Agric. Tunisien 1951, 163—170.
- Pélécassis, E. D., Application de poudre de D. D. T. contre *Eurygaster maurus* (L.) et *Aelia rostrata* Boh. dans la plaine de Copais en 1949. Ann. Inst. phytopath. Benaki 5. 1951, 50—51.
- Tremblé, A. G., and Batkina, E. I., (In regard to predators and parasites of *Eurygaster integriceps*.) Zool. Zhurn. 30. 1951, 190—192.

Homoptera

- Arant, F. S., and Jones, C. M., Influence of lime and nitrogenous fertilizers on the population of greenbugs infesting oats. [*Toxoptera graminum*] J. econ. Ent. 44. 1951, 121—122.
- Beard, R. L., The susceptibility of maize to the corn leaf aphid. [*Aphis maidis*] J. econ. Ent. 44. 1951, 1024—1025.
- Bray, B., Battle is Texan's answer to green-bugs (*Toxoptera graminum*). [use of lady-bugs] Flying Plowman 5. 1951, nr. 6, p. 7.
- Cervantes, J., and Rodriguez, A., El achaparramiento del maíz. [*Baldulus elimatus*] Mexico Ofic. Estud. Espec. Fol. Misc. 4. 1951, 34—39.
- Chatters, R. M., and Schlehuber, A. M., Mechanics of feeding of the greenbug (*Toxoptera graminum* Rond.) on *Hordeum*, *Avena*, and *Triticum*. Oklahoma agric. Exp. Stat. Techn. Bull. T-40. 1951, 18 p., 13 fig. — Farm Res. Flashes 1951, 8 p.
- Dahms, R. G., Insecticide formulations and equipment used for greenbug control. [*Toxoptera graminum*] J. econ. Ent. 44. 1951, 954—957.
- Dahms, R. G., Preventing greenbug (*Toxoptera graminum*) outbreaks. U. S. Dept. Agric. Leaflet. 309. 1951, 8 p.
- Dahms, R. G., and Fenton, F. A., Recognition and control of greenbugs (*Toxoptera graminum*) and other early-appearing pests of wheat. Oklahoma agric. Exp. Stat. Mimeogr. Cir. M.-209. 1951, 3 p. — Grain Prod. News 3. 1951, nr. 8, p. 23.
- Dmitriev, G. V., (*Cicadula sexnotata* — dangerous pest of cereals.) Sovet. Agron. 9. 1951, nr. 4, p. 90—92.

- Fenton, F. A., and Dahms, R. G., The 1950 greenbug outbreak in Oklahoma. [on wheat] J. econ. Ent. 44. 1951, 111—112.
- Fischetti, D. L., El pulgon verde de los cereales (*Toxoptera graminum*). Chacra 21. 1951, nr. 242, p. 10—11.
- Hanna, R. L., Gaines, J. C., and Wipprecht, R., Results of tests for greenbug control. [*Toxoptera graminum*] J. econ. Ent. 44. 1951, 347—350, 1 fig.
- Hill, R. E., and Staples, R., Greenbugs (*Toxoptera graminum*) and their control in Nebraska. Nebraska agric. Coll. Ext. E. Circ. 1560. 1951, 2 p.
- Kato, M., (Analysis of the rice-leafhopper association in Kyushu District.) Oyo-Kontyu 7. 1951, 64—65 (Abstr.).
- Kyd, S., Spraying for greenbugs (*Toxoptera graminum*). Farm J. 75. 1951, nr. 11, p. 51—52, 54, 56.
- Questel, D. D., and Bradley, W. G., Mortality of aphids and European corn borers feeding on corn plants grown in soil treated with bis (2- (2-fluoroethoxy) ethoxy) methane. [*Aphis maidis* and *Pyrausta nubilalis*] J. econ. Ent. 44. 1951, 259—260, 1 fig.
- Robb, T. R., Greenbugs (*Toxoptera graminum*) appear to worry Wyoming farmers, ranchers. Wyoming Stockman-Farmer 57. 1951, nr. 4, p. 7.
- Rodriguez, A., en Cervantes, J., Efecto de la fecha de inoculación en los síntomas del achaparramiento del maíz. [*Baldulus elimatus*] Mexico Ofic. Estud. Espec. Fol. Misc. 4. 1951, 39—41.
- Smith, G., Greenbug (*Toxoptera graminum*) research begins for Texas panhandle-south plains. Grain Prod. News 3. 1951, nr. 7, p. 30.
- Sugiyama, S., and Kawase, E., (A preliminary note on the autumn occurrence of *Macrosiphum granarium* Kirby.) Oyo-Kontyu 7. 1951, 64 (Abstr.).

Coleoptera

- Chaboussou, F., La lutte contre les taupins (*Agriotes lineatus*) et les vers gris (*Euxoa segetum*) nuisibles au maïs. Sol 63. 1951, 87—88.
- Chaboussou, F., et Anglade, P., L'aiguillonier (*Calamobius filum* Rossi) parasite des céréales dans le sud-ouest. Compt. rend. Acad. Agric. France 37. 1951, 43—44.
- Chaboussou, F., et al., Essais de désinfection du sol contre les larves de taupins nuisibles au maïs dans le sud-ouest. Compt. rend. Acad. Agric. France 37. 1951, nr. 1, p. 39—42.
- Coon, B. F., Japanese beetle (*Popillia japonica*) damage in field corn. Pennsylv. agric. Exp. Stat. Progr. Rept. 55. 1951, 7 p., fig., tab.
- Delgado M., N., e Hernández Luna, R., Control del gorgojo de la semilla del maíz (*Prostephanus truncatus* (Horn)). Mexico Ofic. Stud. Esp. Fol. Misc. 4. 1951, 26—29.

- Hayakawa, H., and Kureha, Y.**, (Relation between the infestation of rice leaf beetle (*Lema oryzae* Kuwamura) and the reduction of rice yield.) Oyo-Kontyu 7. 1951, 76—77 (Abstr.).
- Hemer, M.**, Drahtwurmschäden bei Getreide und Rüben. Landw. Wochenbl. Westf. u. Lippe 108 A. 1951, 586.
- Hendrix, N. J.**, De granloopkever (*Zabrus tenebrioides* Goeze). Tijdschr. Plantenziekten 57. 1951, 35—37, 2 fig.
- Ilčić, B., et Stanković, A.**, (Sur l'apparition en masse de *Zabrus tenebrioides* Goeze dans la Vojvodina en 1949.) Plant Prot., Beograd, 1. 1951, nr. 3, p. 57—61.
- Jameson, H. R., Thomas, F. J. D., and Tanner, C. C.**, The control of wireworm by gamma benzene hexachloride: The development of a seed dressing for cereals. Ann. appl. Biol. 38. 1951, 121—134, 8 fig.
- Jancke, O.**, Der Luzerneblattnager als Kartoffelschädling. [Phytonomus variabilis] Anz. Schäd.l.kde. 24. 1951, 53—55, 4 Abb.
- Kuwayama, S., and Nakamura, K.**, (Supplement to the knowledge of the chemical control of the rice leaf beetle (*Lema oryzae* Kuwamura).) Oyo-Kontyu 7. 1951, 85—86 (Abstr.).
- Nakazima, M.**, (The control of rice weevil (*Calandra oryzae* L.) by benzene hexachloride. II.) Botyu-Kagaku (jap.) 16. 1951, 226—233.
- Pélécassis, E. D.**, Le Lema melanopa L. nuisible sur les céréales en Grèce. Ann. Inst. phytopath. Benaki 5. 1951, 52.
- Petrik, A.**, Osvrt na poznavanje biologije žitnog bauljara (*Zabrus tenebrioides* Goeze) u Vojvodini. (Samml. serb. Orig.arb. (naturwiss. Ser.)), Novi Sad, nr. 1. 1951, 191—202, 5 fig.
- Reimann, W.**, Neue Bekämpfungsmethode gegen Drahtwürmer bei Getreide und Rüben. Rhein. Bauernztg. 5. 1951, 64.
- Řezáč, M.**, Kuklice rodu *Viviania*, ničitelé hrbáče osenního. (Tachinidae of gen. *Viviania* parasiting on *Zabrus tenebrioides* F.) Ent. Listy (Folia ent.), Brno, 13 (1950). 1951, 46—47.
- Rohlf, J. A.**, X-ray may help set your wheat price. [X-ray test to check wheat for weevil (*Sitophilus granarius*, etc.) damage] Farm J. 75. 1951, nr. 5, p. 24.
- Taylor, F.**, The black maize beetle (*Heteronychus sanctae-helenae*). Farming South Afr. 26. 1951, 299—302.
- Wagner, F.**, Versuche zur Drahtwurmbekämpfung im Getreide mit Hexamitteln. Pflanzenschutz, München, 3. 1951, 1—3, 6 Abb.
- Watts, J. G., and Nettles, W. C.**, Control of the sand wireworm with chlorinated insecticides. [Horistonotus uhleri on corn] J. econ. Ent. 44. 1951, 619—620.
- Yoshida, M.**, (Ecological studies on the wire-worm, *Melanotus caudex* Lewis. 1. On the kinds of species of wire-worms injurious to wheat planting in Enshu district (Honshu, Japan).) Oyo-Kontyu 7. 1951, 145—148.
- »**Dicky rice**« weevil (*Maleuterpes spinipes*). New South Wales Dept. Agric. Insect Pest Leaf. 35 (rev.). 1951, 2 p.
- Védekezés a gabonafutrinka ellen.** [*Zabrus tenebrioides*] Növényvédelmi Útmutató (Wegweiser zum Pflanzenschutz) sz. 1. 1951, 12 p., 4 fig.

Lepidoptera

- Anderson, L. D., Bacon, O. G., Reynolds, H. T., and Swift, J. E.**, Investigations of corn earworm control on sweet corn in California in 1950. [*Heliothis armigera*] J. econ. Ent. 44. 1951, 966—971.
- Anderson, L. D., Reynolds, H. T., Hashe, J. W., and Swift, J. E.**, Studies on control of corn earworm on sweet corn in southern California in 1949. [*Heliothis armigera*] J. econ. Ent. 44. 1951, 905—909.
- Beck, E. W.**, Estimates of damage by the European corn borer (*Pyrausta nubilalis*) to field corn in the United States in 1950. U.S. Dept. Agric. Bur. Ent., Plant Quar., Insect Pest Survey, Spec. Suppl. nr. 3. 1951, 2 p.
- Beck, E. W.**, Status of the European corn borer (*Pyrausta nubilalis*) in 1950. U.S. Dept. Agric. Bur. Ent., Plant Quar., Insect Pest Survey, Spec. Suppl. nr. 1. 1951, 20 p.
- Beck, E. W., Deay, H. O., Chambers, E. L., and Bowles, R. L.**, Problems of estimating corn borer (*Pyrausta nubilalis*) populations and damage. Amer. Assoc. econ. Ent., North Centr. States Branch, Proc. 6. 1951, 91—101.
- Bishop, C. F.**, Corn borer (*Pyrausta nubilalis*) control in West Virginia. West Virginia agric. Coll. Ext. Circ. 361. 1951, 8 p.
- Blanchard, R. A.**, Control of the fall armyworm (*Laphygma frugiperda*). [spraying corn with DDT and TDE] Amer. Assoc. econ. Ent., North Centr. States Branch, Proc. 6. 1951, 69—71.
- Blanchard, R. A., Wene, G. P., Gouck, H. K., and Douglas, W. A.**, Insecticide emulsions for control of the corn earworm (*Heliothis armigera*) and fall armyworm (*Laphygma frugiperda*). Assoc. south. Agric. Workers Proc. 48. 1951, 96—97 (Abstr.).
- Bongiovanni, G. C.**, Comportamento allotrofico della piralide del mais (*Pyrausta nubilalis*) e suoi danni ai frutti di pomacee. Inform. Fitopat., Bologna, nr. 8. 1951, 3—4.
- Botter, G. T.**, Sugars and protein in the corn plant as related to nutrition of the European corn borer. [*Pyrausta nubilalis*] J. econ. Ent. 44. 1951, 40—44.

- Bradley, W. G., Effect of weather on the corn borer (*Pyrausta nubilalis*) in 1950. Amer. Assoc. econ. Ent., North Centr. States Branch, Proc. 6. 1951, 86—89.
- Brindley, T. A., Batchelder, C. H., and Cutcomp, L. K., Insecticidal control of the European corn borer (*Pyrausta nubilalis*). Amer. Assoc. econ. Ent., North Centr. States Branch, Proc. 6. 1951, 84—86.
- Chamberlain, W. F., Pre-silking sprays to control corn earworm and fall armyworm. [*Heliothis armigera*, *Laphygma frugiperda*] J. econ. Ent. 44. 1951, 590—592.
- Cory, E. N., McConnell, H. S., Arbuthnot, K. D., and Jones, D. W., Parasites of the European corn borer (*Pyrausta nubilalis*) in Maryland. Maryland agric. Exp. Stat. Bull. A 72. 1951?, 13 p.
- Cunningham, G., The borer (*Pyrausta nubilalis*) again is a major threat. Iowa Farm, Home Register 1951, 11-H.
- Cunningham, G., Borer (*Pyrausta nubilalis*) control in 1950 paid cash dividends. Iowa Farm, Home Register 1951, 5-H.
- Davis, J. J., Trends in corn borer (*Pyrausta nubilalis*) research. Amer. Assoc. econ. Ent., North Centr. States Branch, Proc. 6. 1951, 102—103.
- Dicke, F. F., and Holdaway, F. G., Breeding corn for corn borer (*Pyrausta nubilalis*) resistance. Amer. Assoc. econ. Ent., North Centr. States Branch, Proc. 6. 1951, 89—91.
- Ditman, L. P., Corn earworm (*Heliothis armigera*) control. Delaware State Board Agric. Bull. 40. 1951, nr. 5, p. 58—61.
- Ditman, L. P., How canners can control corn earworm (*Heliothis armigera*) with spray boom, DDT. Food Packer 32. 1951, nr. 7, p. 34, 36, 53.
- Ditman, L. P., and Lloyd, G. W., Timing treatments for European corn borer control. [DDT] J. econ. Ent. 44. 1951, 564—566.
- Filmer, R. S., and Ginsburg, J. M., Effectiveness of airplane applications of insecticides and poison baits for control of armyworm and insecticide residue recovered at harvest. [*Cirphis unipuncta*] J. econ. Ent. 44. 1951, 542—546.
- Fukaya, M., On the theoretical bases for predicting the occurrence of the rice stem borer (*Chilo simplex*) in the first generation. Ber. Ohara Inst. landw. Forsch. 9. 1951, 357—376, 6 fig.
- Fukaya, M., Physiological study on the larval diapause in the rice stem borer, *Chilo simplex* Butler. Ber. Ohara Inst. landw. Forsch. 9. 1951, 424—430.
- Fukaya, M., (Physiology of diapause in the rice stem borer (*Chilo simplex*) with special reference to the termination of diapausing larvae and the developmental mechanism of the gonads.) Oyo-Kontyu 7. 1951, 69 (Abstr.).
- Fukaya, M., and Kaneko, T., (The fundamental study on the forecast of the rice borer *Chilo simplex* Butler.) 10—13. Nogaku Kenkyu 39. 1951, 5—8, 41—51, 131—138.
- Ginsburg, J. M., and Filmer, R. S., DDT recovered on corn plants from different treatments against corn earworm. [*Heliothis armigera*] J. econ. Ent. 44. 1951, 620.
- Gouck, H. K., and Blanchard, R. A., Effects of some organic compounds and mineral oil on corn earworm eggs. [*Heliothis armigera*] J. econ. Ent. 44. 1951, 1018.
- Greenwood, D. E., Corn earworm (*Heliothis armigera*) control and biological factors influencing it. Virginia J. Sci. 2 (n. ser.). 1951, 295—296 (Abstr.).
- Hawkins, J., Importance of time of application of DDT sprays in control of European corn borer. J. econ. Ent. 44. 1951, 569—571, 2 fig.
- Helm, R. W., European corn borer (*Pyrausta nubilalis*) control in Nebraska. Nebraska agric. Coll. Ext. E. Circ. 1555 (rev.). 1951, 4 p.
- Hill, R. E., and Muma, M. H., Chlorinated chemical control of the sandhill cutworm. [*Euxoa detersa* on corn] J. econ. Ent. 44. 1951, 90—92.
- Hirose, K., (Some notes on the appearance of rice stems infested by rice borer (*Chilo simplex*) in a single field.) Oyo-Kontyu 7. 1951, 69 (Abstr.).
- Hirose, K., (Studies on the emergence and damage of rice stem borer (*Chilo simplex* Butler) in a field. I.) Oyo-Kontyu 7. 1951, 97—104.
- Ii, M., and Miyashita, K., (Relation between the injury of rice stem borer (*Chilo simplex*) and the yield of rice. I—IV.) Oyo-Kontyu 7. 1951, 69—72 (Abstr.).
- Inman, W., Corn borer (*Pyrausta nubilalis*) is tricky. Wallace's Farmer, Iowa Homestead 76. 1951, nr. 2, p. 10.
- Ishikura, H., (Attractiveness of 360 black light fluorescent lamp to paddy and rice borer moths.) Oyo-Kontyu 7. 1951, 67—68 (Abstr.).
- Jepson, W. F., Stem borers of cereals and sugar-cane. Plant Prot. Overseas Rev. 2. 1951, nr. 2, p. 15—21.
- Johansen, R. L., Fly weight champ of the corn field. [*Lydella stabulans* grisea in control of *Pyrausta nubilalis*] Co-op Grain Quart. 9. 1951, nr. 4, p. 49—52.
- Kaneko, T., Fukazawa, N., and Ishii, S., (An aseptic method of rearing rice stem borer, *Chilo simplex* Butler.) Oyo-Kontyu 7. 1951, 68 (Abstr.).
- Lilly, J. H., Feed cutworms toxaphene-not corn; here is a treatment that gave excellent control of this pest last year. Successful Farming 49. 1951, nr. 4, p. 58, 60.
- Lima, A. D. F., (Cutworm caterpillars.) Seleç. Agr. 6. 1951, nr. 57, p. 55—56.

- Merrifield, J.**, Till to kill the borer (*Pyrausta nubilalis*). Ford Farming 4. 1951, nr. 3, p. 8—9.
- Miner, F. D.**, and **Lincoln, Cu.**, Insecticidal control of armyworm (*Cirphis unipuncta*). [Paris green bran bait and toxaphene sprays and dusts effective in tests on oats] J. Kansas ent. Soc. 24. 1951, 16—20.
- Morris, H. M.**, Sirividhi (*Syringopais temperatella*) control. [pest of cereals] Countryman, Nicosia, 5. 1951, nr. 12, p. 7—8.
- Neiswander, C. R.**, and **Rolston, L. H.**, Reducing corn earworm (*Heliothis armigera*) damage. Ohio Farm, Home Res. (Ohio Stat.) 36. 1951, 22—23.
- Okazaki, K.**, (Some notes on the injury to rice plant caused by rice stem borer (*Chilo simplex*).) Oyo-Kontyu 7. 1951, 68 (Abstr.).
- Ouchi, M.**, and **Takano, J.**, (Experiments on releasing the moths of *Chilo simplex* Butler, to a fluorescent light.) Oyo-Kontyu 7. 1951, 67 (Abstr.).
- Painter, R. H.**, and **Weibel, D. E.**, European corn borer damage to grain sorghums. [*Pyrausta nubilalis*] J. econ. Ent. 44. 1951, 796—798, 3 fig.
- Patch, L. H.**, **Deay, H. O.**, and **Snelling, R. O.**, Stalk breakage of dent corn infested with the August generation of the European corn borer. J. econ. Ent. 44. 1951, 534—539, 1 fig.
- Petty, H. B.**, The weather, the farmer, and the corn borer (*Pyrausta nubilalis*). Pacemaker 9. 1951, nr. 9, p. 1—3.
- Questel, D. D.**, and **Bradley, W. G.**, Mortality of aphids and European corn borers feeding on corn plants grown in soil treated with bis (2-(2-fluoroethoxy) ethoxy) methane. [*Aphis maidis* and *Pyrausta nubilalis*] J. econ. Ent. 44. 1951, 259—260, 1 fig.
- Rui, D.**, (Control the threat of corn pyralis (*Pyrausta nubilalis*).) Agric. Polesine (ital.) 3. 1951, 97—98. — Agric. Venezia 5. 1951, 431—433.
- Rui, D.**, (Corn pyralid (*Pyrausta nubilalis*) and the necessity for control.) Agric. Polesine (ital.) 3. 1951, 49—50.
- Rutschky, Ch. W.**, Corn earworm control experiments in Pennsylvania in 1950. [*Heliothis armigera*] J. econ. Ent. 44. 1951, 567—569.
- Rutschky, Ch. W.**, DDT emulsion controls earworms (*Heliothis armigera*): other insecticides prove promising. Sci. Farmer [Pennsylv. State] 1951, 10.
- Sankar, D. V. S.**, and **Sarma, P. S.**, Studies on biotin. I. Replacement of biotin in the nutrition of the rice moth larva (*Coreyra cephalonica* St.). J. sci., ind. Res. 10 B. 1951, 294—298.
- Schwarz, R.**, O napadení žita molem Coleophora onopordiella Z. (Coleophora onopordiella Z. as rye injurer.) Ent. Listy (Folia ent.), Brno, 14. 1951, 89—93, 1 fig.
- Sobrero, L. R.**, El taladro de la caña del maíz (*Pyrausta nubilalis*). Pampa Argentina 24. 1951, nr. 282, p. 18—19.
- Spawn, C. B.**, Steps in corn borer (*Pyrausta nubilalis*) control. South Dakota State Coll. Agric. Ext. Leaf. 135. 1951, 4 p.
- Turner, N.**, Relation between sugar content of corn and infestation and survival of the European corn borer. J. econ. Ent. 44. 1951, 307—309, 2 fig.
- Van der Laan, P. A.**, De bestrijding van de maisboorder (*Pyrausta nubilalis* Hbn.). (Control of maize borer (*Pyrausta nubilalis*) in Sumatra.) Landbouw, Bogor, 23. 1951, 5—16.
- Van der Laan, P. A.**, De mogelijkheden van bestrijding der rijstboorders. (Possibilities of controlling rice-borers.) [Scirpophaga innotata, Schoenobius bipunctifer] Landbouw, Bogor, 23. 1951, 295—356, 7 fig.
- Visser, D. F.**, Beware of the corn borers (*Pyrausta nubilalis*). Iowa Agric. 50. 1951, nr. 5, p. 5—6, 17.
- Walkden, H. H.**, and **White, G. D.**, Status of the southwestern corn borer (*Diatraea grandiosella*) in Kansas, Oklahoma, Missouri, and Arkansas in the fall of 1950. U.S. Dept. Agric. Bur. Ent., Plant Quar. Spec. Suppl. nr. 2. 1951, 2 p.
- Weinman, C. J.**, and **Decker, G. C.**, The toxicity of eight organic insecticides to the armyworm. [*Cirphis unipuncta*] J. econ. Ent. 44. 1951, 547—552.
- Wheeler, E. H.**, Suggestions for insect control on sweet corn. [*Pyrausta nubilalis*, *Heliothis armigera*, *Laphygma frugiperda*] Massachusetts. Univ. Agric. Ext. Spec. Circ. 184. 1951, 8 p.
- Wressell, H. B.**, The European corn borer and its control in sweet corn. [*Pyrausta nubilalis*] Canada Dept. Agric. Processed Publ. Ser. nr. 104. 1951, 5 p., 1 fig.
- Zbukovskii, A. V.**, and **Selivanova, S. N.**, (Peculiarities of the biology of stem moth (*Ochsenheimeria* sp.), a pest of winter wheat plantings and cereal fodder grasses.) Vsesoiuzn. Akad. Sel'skhoz. Nauk Dokl. 16. 1951, nr. 2, p. 32—34.
- European corn borer (*Pyrausta nubilalis*) and southwestern corn borer (*Diatraea grandiosella*) in Oklahoma.** Oklahoma agric. Exp. Stat. Mimeogr. Circ. M-207. 1951, 1 p.
- Minnesota European corn borer (*Pyrausta nubilalis*) infestation density fall 1951.** Minnesota Off. State Ent. Circ. 158. 1951, 1 p.
- 1951 European corn borer (*Pyrausta nubilalis*) abundance in Minnesota compared with 1948, 1949, and 1950.** Minnesota Off. State Ent. Circ. 157. 1951, 1 p.

Diptera

- Åkerman, A.**, (Some experience concerning attacks of frit flies (*Oscinella frit*) on oats.) Sver. Utsadesfören. Tidskr. 61. 1951, 108—118.
- Barnes, H. F.**, Wheat midge reduces yield. [*Contarinia tritici*, *Sitodiplosis mosellana*] Farmer and Stockbreeder 65. 1951, nr. 3233, p. 51.

- Bollow, H.**, Das diesjährige Auftreten der Roggengallmücke und die Maßnahmen für die Wintersaat. [Mayetiola secalis] Pflanzenschutz, München, 3. 1951, 111—112, 2 Kart.
- Bollow, H.**, Gegen die Roggengallmücke. Späte Aussaat des Wintergetreides! Landw. Wochenbl. München 141. 1951, 900, 1 Landkarte.
- Bollow, H.**, Das Massenaufreten der bisher unbekannten Roggengallmücke in Bayern. [Mayetiola secalis] Mitt. Biol. Zentralanst. Berlin-Dahlem H. 70. 1951, 126—127.
- Bollow, H.**, Die Roggengallmücke an den Wintersaaten. Ihr diesjähriges Auftreten. Landw. Wochenbl. München 141. 1951, 66.
- Bollow, H.**, Schädigungen der Wintersaaten durch Haarmücken-Larven. Landw. Wochenbl. München 141. 1951, 133.
- Bollow, H.**, Die Stiletfliege *Thereva nobilitata* F. als Schädling an Wintergetreide. Pflanzenschutz, München, 3. 1951, 53—54, 2 Abb.
- Golebiowska, Z.**, Badania nad pojawami sezonowymi ploniarki zbożówki (*Oscinella frit* L.). (A contribution to the investigation of the seasonal appearances of the frit-fly.) Roczniki Nauk Roln. (Pulawy) 59. 1951, 259—272, 3 fig.
- Haskell, G.**, Studies with sweet corn. The fruit fly problem. [Oscinella frit] Bull. ent. Res. 42. 1951, 519—526, 1 tab.
- Hayslip, N. C.**, Corn-silk fly (*Euxesta stigmatias*) control on sweet corn. Florida agric. Exp. Stat. Circ. S-41. 1951, 6 p.
- Hering, E. M.**, Ein neuer Getreideschädling, *Agromyza veris* sp. nov. (Dipt.). Ztschr. angew. Ent. 32. 1951, 604—608, 3 Abb.
- Kanda, M.**, The distribution of the injured ears in the rice field attacked by rice stem maggot, *Chlorops oryzae* Matsumura, and estimation of optimum size of field-plot. Tōhoku Univ. Inst. agric. Res. Rept. 3. 1951, 35—49.
- Koltermann, E.**, 1950, ein Halmfliegen-Jahr. [Chlorops taeniopus] Gesunde Pflanzen 3. 1951, 33 u. 36—37.
- Krampe**, Schäden durch die Gelbe Halmfliege (*Chlorops taeniopus* Meig.). Nachr.bl. dtsh. Pfl.schutzd., Berlin, NF. 5. 1951, 152—153, 3 Abb.
- Li, C. S.**, and **Chiu, S. F.**, (A study of the rice gall midge, *Pachytiplosis oryzae* Wood-Mason.) Agric. Res. 2. 1951, nr. 4, p. 1—13.
- Nepveu, P.**, et **D'Aguilar, J.**, Un nouveau ravageur (*Hydrellia griseola*) du riz en Camargue. Compt. rend. Acad. Agric. France 37. 1951, 463—465.
- Nishijima, Y.**, (On the relation between damage of wheat and oviposition of the wheat stem maggot, *Meromyza saltatrix* (Linné).) Oyo-Kontyu 7. 1951, 61 (Abstr.).
- Okamoto, D.**, (On the relation between various culture methods of rice and the injury caused by rice stem maggot, *Chlorops oryzae* Munakata.) Oyo-Kontyu 7. 1951, 74—75 (Abstr.).
- Pfeiffer, R.**, Untersuchungen zum Weizenhalmfliegenproblem in den Alpenländern Österreichs. [Chlorops taeniopus] Veröff. Bundesanst. alp. Landwirtsch. Admont H. 5. 1951, 66—95, 6 Abb.
- Ponnaiya, B. W. X.**, Studies in the genus *Sorghum*. I. Field observations on *Sorghum* resistance to the insect pest *Atherigona indica* M. II. The cause of resistance in *Sorghum* to the insect pest *Atherigona indica* M. J. Madras Univ. B 21. 1951, 96—118, 203—217, 9 fig.
- Risbec, J.**, Les diptères nuisibles au riz de camargue au début de son développement. Rev. Path. vég. Ent. agric. France 30. 1951, 211—227, 3 tab.
- Risbec, J.**, Observations sur les diptères nuisibles au riz en Camargue. Compt. rend. Acad. Agric. France 37. 1951, 461—463.
- Selivanova, S. N.**, (Ecological peculiarities of the frit fly (*Oscinella frit*).) Zool. Zhurn. 30. 1951, 540—544.
- Van der Laan, P. A.**, Life history and control of the rice seedling fly (*Atherigona exigua*). Indonesia Gen. agric. Res. Stat. Contrib. 118. 1951, 15 p.
- Walter, E. V.**, and **Wene, G. P.**, Tests of insecticides to control larvae of *Euxesta stigmatias* and *Megaselia scalaris*. J. econ. Ent. 44. 1951, 998—999.
- Yamashita, Z.**, (On the fauna of injurious insects in rice field of non-transplanting culture. II. On the variation of the occurrence time of rice leaf miner, *Agromyza oryzae* Munakata, in non-transplanting and transplanting field.) Oyo-Kontyu 7. 1951, 75—76 (Abstr.).
- Yuasa, H.**, and **Koyama, T.**, (On the relation between resistance to rice stem maggot (*Chlorops oryzae* Matsumura) and resistance to other insect pests and diseases in rice plant.) Oyo-Kontyu 7. 1951, 79 (Abstr.).
- Wheat midge.** [Contarinia tritici, Sitodiplosis mosellana] Dept. Agric., Dublin, Leaf. nr. 122. 1951, 11 p.

Hymenoptera

Callenbach, J. A., Rescue wheat and its resistance to wheat stem sawfly attack. J. econ. Ent. 44. 1951, 999—1001.

Herold, W., Über ein Massenaufreten von *Dolerus niger* L. an Weizen. Anz. Schädl.kunde 24. 1951, 140, 1 Abb.

Arachnoidea

Fenton, F. A., The brown wheat mite *Petrobia latens*. J. econ. Ent. 44. 1951, 996.

Sorokin, S. W., (Der Ackerboden als Biotop von Getreidemilben (Acarina, Tyroglyphoidea). (Ent. Übersicht), Moskau u. Leningrad, 31. 1951, 411—415.

The wheat mite strikes; smaller than a louse and twice as hungry, the bug is now gorging itself on the nation's winter grain. [Petrobia latens] Life 30. 1951, nr. 21, p. 57—58.

Vertebrata

- Barnett, S. A.**, Damage to wheat by enclosed populations of *Rattus norvegicus*. *J. Hyg.* 49. 1951, nr. 1, p. 22—25.
- Kadotshnikow, M. P.**, (Sparrow — pest of rice.) *Priroda* (russ.) 40. 1951, nr. 7, p. 70.
- Kleinschmidt, A.**, Der Haussperling (*Passer domesticus* L.) als Getreideschädling und seine Bekämpfung, insbesondere mit grüngelbem Giftweizen. *Ztschr. hyg. Zool.* 39. 1951, 157—183.
- Van der Goot, P.**, Over levenswijze en bestrijding van sawah-ratten in het laagland van Java. (Biology and control of rice-field rats in the lowlands of Java.) *Landbouw, Bogor*, 23. 1951, 123—294.
- Wood, K.**, Meet Joe and Susie — menaces to unthreshed grain. [field mice] *Farm Ranch Rev.* 47. 1951, 10—11.

e. Virus

- Gorter, G. J. M. A.**, Streak disease in maize — helpful measures for its prevention. [*Cicadulina mbila*]. *Farming South Afr.* 26. 1951, 361—362, 364, 2 fig.
- Hagborg, W. A. F.**, A possible virus disease of cereals. *Manitoba Ann. Conf. Agron. Proc.* 1951, 15—16.
- Hashioka, Y.**, Rice stripe (*Oryza virus* 2); its diagnosis and control. [*Delphacodes striatella*] *Saitama agric. Exp. Stat. Farmers Bull.* Jan. 1951, 6 p.
- King, C.**, Mosaic is big headache to Kansas wheat farmer. *Kansas Farmer* 88. 1951, nr. 8, p. 18—19.
- McKinney, H. H.**, A seed-borne virus causing false-stripe symptoms in barley. *Plant Dis. Repr.* 35. 1951, 48. — *Phytopathology* 41. 1951, 563—564.

- McKinney, H. H.**, and **Fellows, H.**, A method for inoculating varietal test nurseries with the wheat streak-mosaic virus. *Plant Dis. Repr.* 35. 1951, 264—266.
- McKinney, H. H.**, and **Sando, W. J.**, Susceptibility and resistance to the wheat streak-mosaic virus in the genera *Triticum*, *Agropyron*, *Secale*, and certain hybrids. *Plant Dis. Repr.* 35. 1951, 476—479.
- Maramorosch, K.**, Mechanical transmission of corn stunt virus to an insect vector. [*Dalbulus maidis*] *Phytopathology* 41. 1951, 658, 833—838, 1 fig.
- Oswald, J. W.**, and **Houston, B. R.**, A new virus disease of cereals, transmissible by aphids. *Plant Dis. Repr.* 35. 1951, 471—475, 1 fig.
- Scossiroli, R.**, (Influence of the dwarf disease of maize on the chemical composition of the kernels, and considerations on the nature of the disease.) *Not. Mal. Pianté* nr. 15. 1951, 9—13.
- Scossiroli, R.**, Per la conoscenza del nanismo del mais. (Investigations on the dwarf disease of maize.) [*virus*] *Ann. Sperim. agr., Roma, n. ser.* 5. 1951, 157—177, 4 fig.
- Slykhuis, J. T.**, The relation of leafhoppers to certain streak symptoms on wheat in South Dakota. *Plant Dis. Repr.* 41. 1951, 439—440.
- Slykhuis, J. T.**, *Setaria viridis*, a host of wheat mosaic. *Plant Dis. Repr.* 35. 1951, 221.
- Slykhuis, J. T.**, Wheat mosaic in South Dakota. *Proc. canad. phytopath. Soc.* 18. 1951, 18—19 (Abstr.).
- Mosaic is found on Atlas wheat. *Seed World* 68. 1951, nr. 11, p. 74.

3. Kartoffeln und Rüben

Potatoes and beets — Pommes de terre et betteraves

a. Kartoffeln

Potatoes — Pommes de terre

Allgemeiner Teil

General part — Partie générale

- Andrade, A. C.**, and **Salles, J. M.**, (Comparison between spraying and dusting of potatoes raised in the dry season.) *Biológico, São Paulo*, 17. 1951, 115—122.
- Arze L., O.**, Enfermedades más comunes de la papa — su control. *Campo, La Paz*, 5. 1951, nr. 47, p. 15—17.
- Baldacci, E.**, **Grancini, P.**, e **Marini, E.**, Alcuni problemi della produzione di patate da seme in Italia. *Not. Mal. Pianté* nr. 16. 1951, 22—27.
- Belmar Puelma, L. A.**, Las papas de consumo y su peligro para la agricultura. *Agrario* 16. 1951, nr. 426, p. 16, 32.

- Benlloch, M.**, Lo que nos puede traer la patata de simiente de importación. [*enfermedades*] *ASPAS* 1. 1951, 6—8.
- Black, W.**, Potato breeding in relation to disease resistance. *Ann. appl. Biol.* 38. 1951, 306—307.
- Bonde, R.**, **Peikert, F. W.**, and **Rhoads, R. B.**, Low gallonage high concentration sprayer for the control of potato diseases and insects. *Maine agric. Exp. Stat. Mimeogr. Rept.* 18. 1951, 6 p.
- Braun, H.**, Bedeutung, Erkennung und Bekämpfung der hauptsächlichsten Kartoffelnollen-Krankheiten. *Kartoffelbau* 1. 1950, 117—119, 8 Abb., 130—132, 6 Abb., 149—151, 11 Abb.; 2. 1951, 12—14, 9 Abb.
- Braun, H.**, Pflanzenschutzgedanken bei der Kartoffelernte. *Kartoffelbau* 2. 1951, 183.
- Canova, A.**, La disinfezione della patate da seme. *Inform. Fitopat., Bologna, Pubbl. quindic., Gr. II*, nr. 17—18. 1951, 12—13.

- Chernyshova, O. P.**, (Importance of agronomic practices in the control of potato diseases.) *Sad i Ogorod* (Orchard and Garden) 6. 1951, 68—70.
- Davis, G. N., Stevenson, F. J., and Wright, D. N.**, Potato varieties in Kern County, California. [disease resistance] *Calif. agric. Exp. Stat. Bull.* nr. 727. 1951, 15 p.
- Ducourtial, P.**, La protection des pommes de terre. *Bull. Engrais* 331. 1951, 93—94.
- Dunlap, W. H., and Hindmarsh, R. G.**, Caution counts in selecting your seed potatoes. [disease control] *East. States Coop.* 27. 1951, nr. 11, p. 5.
- Edmundson, W. C., Schaal, L. A., and Landis, B. J.**, Potato growing in the western States. [diseases] *U.S. Dept. Agric. Farmers' Bull.* 2034. 1951, 58 p., 34 fig.
- Emilsson, B.**, Gödslingens inverkan på några av potatisens sjukdomar. (Effect of fertilizing on some potato diseases.) *Växtnäringsnytt* 7. 1951, nr. 3, p. 7—11.
- Favard, P.**, Les ennemis de la pomme de terre. *Ann. Soc. Hortic. Haute-Garonne* 21 (ser. 5). 1951, 284—292.
- Fjeldalen, J., and Gjaerum, H. B.**, (Brief directions for the control of the most important pests and fungus diseases of vegetables and potatoes.) *Norske Hageselsk. Minneliste Hagedyrkere* 2. 1951, 11—14.
- Gallay, R., et Münster, J.**, Les efforts entrepris pour améliorer la qualité des plants indigènes de pommes de terre. Les résultats obtenus. *Rev. rom. Agric., Vitic., Arboric.* 7. 1951, 91—93, 4 fig.
- Goossen, S.**, Spritzbrühbedarf bei der Unkraut-, Kartoffelkäfer- u. Krautfäulebekämpfung. *Landw. Wochenbl. Westf. u. Lippe* 108A. 1951, 890—891.
- Grainger, J.**, Soil injectors; machines for the control of potato root eelworm and other soilborne diseases by the application of volatile chemicals. *West. Scot. agric. Coll. Res. Bull.* 11. 1951, 32 p.
- Grancini, P.**, L'importazione delle patate da semina attraverso la dogana di Chiasso. *Not. Mal. Pianta* nr. 14. 1951, 16—18.
- Grancini, P.**, Recenti progressi della produzione delle patate da semina in una zona della Germania occidentale. (Recent progress in the seed potato production in a zone of western Germany.) [disease resistance] *Ann. Sperim. agr., Roma, n. ser. 5.* 1951, Suppl. nr. 6, p. LXIX—LXXIX.
- Harvey, N. P.**, Plant diseases and their control. II. *Young Farmer* 19. 1951, 95—96.
- Hauck, E.**, Erfahrungen aus dem Kartoffelbau. *Bad. landw. Wochenbl.* 118. 1951, 263—264, 2 Abb.
- Hauck, E.**, Kartoffelherkunfts- und Augenstecklingsprüfung in Forchheim. *Bad. landw. Wochenbl.* 118. 1951, 248—249, 3 Abb.
- Hauschild, A.**, Anerkennungspraxis und Probeentnahme bei Kartoffeln. *Mitt. Biol. Zentralanst. Berlin-Dahlem* H. 70. 1951, 50—51.
- Hawkes, J. G.**, Organización y planeamiento para el mejoramiento de la papa. II. *Agron. trop.* 7. 1951, nr. 6, p. 11—16.
- Hopkins, J. C. F.**, Diseases of fruit, flowers, and vegetables in Southern Rhodesia. 5. Diseases of potatoes. (Revised.) *Rhodesia agric. J.* 48. 1951, 19—33, 12 fig.
- Hosch, L.**, Kartoffelspritzungen — womit? *Hannov. land- u. forstw. Ztg.* 104. 1951, 606.
- Hosch, L.**, Spritztermine für Kartoffeln. *Hannov. land- u. forstw. Ztg.* 104. 1951, 630.
- Howatt, J. L.**, Potato disease control in the Maritime Provinces. *Canad. Seed Growers' Assoc. Ann. Rept.* 1949—1950. 1951, 32—36.
- Inoue, R.**, (About white-potato seed inspection.) *Jap. J. Plant Prot.* 24. 1951, 18—22.
- Jähni, G.**, Ergebnisse der Kartoffelversuche des Jahres 1950. [Krankheiten] *Vers. Ergebn. Bundesanst. alp. Landw. Admont* H. 8. 1951, 31 S.
- Kersting, A.**, Äußerlich nicht sichtbare Schäden der Kartoffelknolle. *Landw. Wochenbl. Westfalen u. Lippe* 108A. 1951, 164.
- Knapke, W.**, Vordringliche Arbeit in der Kartoffelpflanzguterzeugung. *Saarl. Bauernbl.* 5. 1951, 138.
- Lemke, H.**, Einmaleins der Kartoffelaufbereitung. [Krankheiten und Schäden] *Bauernbl. Schlesw.-Holst.* 5./101. 1951, 1091—1092, 8 Abb.
- Lemke, H.**, Kartoffelmonat Juni. [Krankheiten] *Bauernbl. Schlesw.-Holst.* 5./101. 1951, 645—646.
- Lemke, H.**, Rechtzeitig, radikal, richtig reinigen! *Kartoffelbau* 2. 1951, 122—123.
- Lemke, H.**, Wie beanstandet man Pflanzkartoffeln? *Bauernbl. Schlesw.-Holst.* 5./101. 1951, 235—236.
- Lemke, H., und Schneider, E.**, Ergebnisse der Kartoffelsortenversuche. *Bauernbl. Schlesw.-Holst.* 5./101. 1951, 122—123.
- Maag, R.**, Kartoffelbespritzung mit Helicopter. *Anz. Schäd.l.kunde* 24. 1951, 183—184, 2 Abb.
- M'Intosh, T. P.**, Healthy seed potatoes; recent developments in Scotland. *Scot. Agric.* 31. 1951, 99—104.
- Martins, A. O.**, A desinfecção de batatas-ementes. (Seed potato disinfection.) *Biológico, São Paulo*, 17. 1951, 135—139.
- Mattingley, G. H.**, The seed potato certification scheme. *J. Dept. Agric. Victoria* 49. 1951, 177—180, 3 fig.
- Matz, J.**, Fragen der Resistenzzüchtung bei der Kartoffel. *Pflanzenarzt, Wien*, 4. 1951, No. 8, S. 5—6, No. 9, S. 3—5.
- Mehta, P. R., and Singh, J.**, Some problems of potato diseases in the Uttar Pradesh. *Agric., Anim. Husb.* 1 (sup.). 1951, 43—53.

- Mikhailova, V. N., and Chesnokov, N. S.,** (Wilting of potatoes in the South (USSR.) and measures for its control.) *Selektsiia i Semenovodstvo* (Selection and Seed Growing) 18. 1951, nr. 5, p. 19—26.
- Monot, G.,** Le rôle de la Fédération Nationale dans la lutte contre les ennemis de la pomme de terre. *Pomme de Terre franç., Lille*, 14. 1951, nr. 136, p. 13—16.
- Monot, G.,** Le rôle de la Fédération Nationale des Producteurs de Plants de Pommes de Terre dans la lutte contre les ennemis de la pomme de terre. *Agriculture*, Paris, 15. 1951, 123—127.
- Muello, A. C.,** Principales enfermedades que atacan a las papas. *Pampa Argentina* 24. 1951, nr. 285, p. 22.
- Münster, J.,** Causes probables des accidents constatés dans la levée des plants de pommes de terre en 1950. *Rev. rom. Agric., Vitic., Arboric.* 7. 1951, 25—28, 4 fig.
- Oostenbrink, M.,** De bestrijding van de aardappelmoeheid. *Minist. Landbouw, Visserij en Voedselvoorziening* nr. 47. 1951, 1—5.
- Platzer, S., und Lemke, H.,** Gute Verladung — guter Verkauf. I. Praktische Winke für die Verladung. II. Berechnung der Wünsche des Empfängers. *Kartoffelbau* 2. 1951, 184—187, 6 Abb.
- Pohjakkala, O.,** (The resistance problem of potatoes.) *Nord. Jordbr.forskn.* 2/3. 1951, 486—493.
- Pritschau, F.,** Tagesfragen des Kartoffelbaues. *Arch. dtsh. Landw.-Ges.* 6. 1950, 70—84.
- Ross, H., und Baerecke, M.-L.,** Über die Bedeutung der argentinischen *Solanum*-Arten *simplicifolium*, *vernei*, *berthaultii*, *acaule* und einiger Formen von *S. adigenum* für die Züchtung krankheitsresistenter Kartoffeln. *Ztschr. Pfl.züchtg.* 30. 1951, 280—291, 2 Abb.
- Sívorí, E. M.,** La degeneración de la papa. (Potato degeneration.) *Cienc. e Invest.* 7. 1951, 291—302, 1 fig.
- Sprau, F.,** Versuche zur hydroponischen Augenstecklingsprüfung. *Mitt. Biol. Zentralanst. Berlin-Dahlem* H. 70. 1951, 51—55.
- Sprau, F.,** Weitere Untersuchungen zur hydroponischen Augenstecklingsprüfung. *Pflanzenschutz*, München, 3. 1951, 126—128, 5 Abb.
- Stolze, K. V.,** Erkennung der wichtigsten Kartoffelkrankheiten. *Praxis u. Forschung* 2. 1951, Nr. 6, S. 74—76.
- Tardo, S.,** Sui fenomeni di sterilità della patata Bintje d'importazione olandese coltivata in Sicilia. *Boll. Studi Inform. Giard. Colon. Palermo* 19. 1951, 20—26.
- Verhoeven, W. B. L.,** Ziekten, selectie en keuring van aardappelen. (Diseases, selection and inspection of potatoes.) *H. Veenman & Zonen, Wageningen* 1951. 4. ed., 140 p.
- Voss, H.,** Die Bereinigung der Vermehrungsflächen. *Kartoffelbau* 2. 1951, 139—140, 3 Abb.
- Walker, J. C.,** Potato diseases: past, present, and future. *Amer. Veg. Growers Assoc. Ann. Rept.* 1951, 36—40.
- Wallace, M. J.,** That peculiar potato — what is the matter with it? [identifying potato diseases] *Smallholder* 85. 1951, nr. 2152, p. 7.
- Weller, K., und Arenz, B.,** Die Augenstecklingsprüfung in der Praxis der Saatenanerkennung. *Kartoffelbau* 2. 1951, 119—122, 7 Abb.
- Wellington, B.,** Common potato diseases. *Farm Bur. Massachus. Dec.* 1951, 17—19.
- Wenzl, H.,** Die Erkennung der Staudenkrankheiten der Kartoffel. *Pflanzenarzt, Wien*, 4. 1951, Nr. 8, S. 1—2.
- Wenzl, H.,** Untersuchungen über die Colletotrichum-Welkekrankheit der Kartoffel. II. Die Hydratur welkekranker Knollen. III. Pflanzgut- und Futterwert welkekranker Kartoffeln. *Pfl.schutz-Berichte*, Wien, 6. 1951, 33—57, 2 Abb., u. 97—112.
- Wiersema, H. T.,** Het kweken op ziekteresistente bij aardappelen in Amerika. *Meded. nederl. alg. Keuringsd. (NAK.)* 7 (1950). 1951, 72—73.
- Wilson, J. D., and Slesman, J. P.,** Disease and insect control on potatoes in Ohio in 1950. *Amer. Potato J.* 28. 1951, 632—638.
- Le choix de nouvelles variétés de pommes de terre et description de la »Saskia«.** [résistance contre maladies] *Rev. rom. Agric., Vitic., Arboric.* 7. 1951, 24.
- 1951 spraying and dusting recommendations for potatoes.** *New Jersey Coll. Agric., Mech. Arts Ext. Serv. Spray Calendar* 48. 1951, 4 p.

Nichtparasitäre Krankheiten Diseases not caused by parasites Maladies non parasitaires

- Baumeister, G.,** Wuchs- und Hemmstoffe in der Knolle und im Kraut gesunder und abbaukranker Kartoffelpflanzen. *Planta* 38. 1951, 683—741, 48 Abb.
- Boyd, A. E. W.,** The internal blackening of potatoes caused by bruising. *J. hort. Sci.* 26. 1951, 148—156, 2 tab.
- Braun, H.,** Die Wundkorkbildung der Kartoffelknollen. *Kartoffelbau* 2. 1951, 205—207, 5 Abb.
- Caballero V., C.,** Verruga negra. [on potatoes] *Agr. Austr.* 19. 1951, 360—367.
- Gaßner, G., und Grimm, H.,** Über die Wirkung von Kupferkalkspritzungen auf Ertrag und Stärkegehalt der Kartoffeln. *Angew. Bot.* 26. 1951, 60—68, 4 Abb.
- Guha, M. P.,** Boron deficiency and its relation to tuber cracking of potatoes. *Sci. and Cult., Calcutta*, 17. 1951, nr. 1, p. 40—42, 3 fig.

- Hawkins, A., Brown, B. A., and Rubins, E. J., Extreme case of soil toxicity to potatoes on a formerly productive soil. *Amer. Potato J.* 28. 1951, 563—577.
- Hilton, R. J., Factors in relation to tuber quality in potatoes. II. Preliminary trials on bitterness in Netted Gem potatoes. *Sci. Agric., Ottawa*, 31. 1951, 61—70.
- Jeurink, J., Die Kartoffelmüdigkeit und ihre Bekämpfung in den Niederlanden. *Kartoffelbau* 2. 1951, 109—110.
- Jones, E. W., Production in potato of leaf symptoms observed on plants on acid soils together with associated tuber necrosis. *Nature, London*, 167. 1951, 568.
- Kirkpatrick, M. E., Mountjoy, B. M., Albright, L. C., Poos, F. W., and Weigel, Ch. A., Flavor and odor of cooked potatoes as affected by use of lindane and benzene hexachloride as insecticides. *Amer. Potato J.* 28. 1951, 792—798.
- Kramer, D., Gegen den Kartoffelabbau. *Dtsch. landw. Presse* 74. 1951, 58—59.
- Krüger, F. H., Über den Einfluß einseitiger Düngung auf den Kartoffelabbau. *Ztschr. Acker- u. Pfl.bau* 93. 1951, 359—385, 2 Abb.
- Magnifskii, K. P., (Symptoms of deficiency and harmful surplus of individual minor elements in potatoes.) *Sad i Ogorod (russ.)* 3. 1951, 74—78.
- Mezzetti, A., Malformazioni dei tuberi di patata connesse ad irregolarità di sviluppo. *Inform. Fitopat., Bologna, Pubbl. quindic., Gr. II, nr. 17—18.* 1951, 7—11, 6 fig.
- Pupillo, M., L'«unghiatura» dei tuberi di patata. *Inform. Fitopat., Bologna*, nr. 5. 1951, 5—6, 1 fig.
- Rönnebeck, W., Hinter den Kulissen des Kartoffelabbaues. *Dtsch. landw. Presse* 74. 1951, 4, 1 Abb.
- Sanford, G. B., Effect of various chemicals on the natural healing of freshly cut potato sets. *Phytopathology* 41. 1951, 1077—1082.
- Schulze, W., Fischnich, O., Wollner, F., und Gorsler, A., Die Keimstimmung der Kartoffel und ihre Bedeutung für die Züchtung und Pflanzguterzeugung. [Keimhemmung] *Schr.reihe Forsch.anst. Landw. Braunschweig-Völkenrode H. 3.* 1951, 183 S.
- Schwartz, E., Zur Geschmacksbeeinflussung der Kartoffel durch die Behandlung mit Hexa-Präparaten. *Nachr.bl. dtsch. Pfl.schutzd., Berlin, NF. 4.* 1951, 101—105.
- Siebeneick, H., Vom physiologischen Rollen der Fiederblättchen der Kartoffel. *Neue Mitt. Landw.* 6. 1951, 416—417.
- Simpson, R. G., The residual systemic toxicity of DDT and parathion in potato tubers. *J. Colorado-Wyoming Acad. Sci.* 4. 1951, nr. 3, p. 80 (Abstr.).
- Steineck, O., Untersuchungen über Bormangelercheinungen bei Kartoffeln. (Vorl. Mitt.) *Bodenkultur, Wien*, 5. 1951, 57—60, 2 fig.
- Tizio, R., Acción de las altas temperaturas como factor de «degeneración» de la papa. *La Plata Univ. Nac. Fac. Agron. Lab. Bot. Bol.* 4. 1951, 1—2.
- Wiant, J. S., Findlen, H., and Kaufman, J., Effect of temperature on black spot in Long Island and Rev River Valley potatoes. *Amer. Potato J.* 28. 1951, 753—765, 1 fig.
- Zvereva, P. A., (Frost resistant potato varieties.) *Vsesoiuzn. Akad. Sel'skhoz. Nauk Dokl.* 16. 1951, nr. 6, p. 15—17.

Pflanzliche Feinde

Vegetal parasites — Parasites végétaux

- Andrade, A. C., (New fungicides to control the diseases of potato and tomato.) *Biológico, São Paulo*, 17. 1951, 75—76.
- Andrén, F., Besprutningsförsök mot potatisbladmögel 1950. *Växtskyddsnötiser, Stockholm*, 15. 1951, 33—36, 1 fig.
- Berkeley, G. H., Progress reported on potato scab. *Ontario Crop Improv. Assoc. Addresses Proc.* 1951, 118—123.
- Boothroyd, C. W., Pink rot of potato found in New York State. *Plant Dis. Repr.* 35. 1951, 55.
- Bortels, H., Fortgeführte Untersuchungen über die Beziehung zwischen Infektionserfolg und Wetterverlauf bei der Kartoffel-Naßfäule. (Vorl. Mitt.) [*Bacterium phytophthorum*] *Phytopath. Ztschr.* 18. 1951, 359—362, 1 Abb.
- Braun, H., Über den augenblicklichen Stand des Alternaria-Problems. *Mitt. Biol. Zentralanst. Berlin-Dahlem H. 70.* 1951, 47—50.
- Busch, L. V., and Gilpatrick, J. D., A possible quick method for testing the virulence of *Streptomyces scabies* (Thaxt.) Waksman and Henrici. *Proc. canad. phytopath. Soc.* nr. 18. 1951, 10 (Abstr.).
- Chernyshova, O. P., (Effect of calcium carbonate on activity of *Actinomyces scabies* (Thaxt.) Guss., organism of common potato scab.) *Dokl. Akad. Nauk USSR.* 81. 1951, 473—475.
- Davis, S. H., and Engel, R. E., A new material (Orthocide 406) shows promise for brown patch (*Rhizoctonia solani*) control. *Golf Course Repr.* 19. 1951, nr. 2, p. 12—13.
- De Rojas Peña, E., La «dormidera» de la papa (*Phytophthora solanacearum*). *Agron. trop.* 7. 1951, nr. 9, p. 45—48.
- Ejsing, G., (Try early potato varieties immune to clubroot.) *Gart.-Tid.* 67. 1951, 551—553.

- Ellison, J. H., Jacob, W. C., and Cunningham, H. S., Effect of soil reaction on the performance of certain scab-resistant and susceptible potato varieties. *Amer. Potato J.* 28. 1951, 721—727.
- Fabricatore, J. A., *Solanum tuberosum*, ospite casuale di un *Heterosporium*. *Boll. Staz. Pat. veg.*, Roma, 9. (3. ser.) 1951, 129—131, 3 fig.
- Folsom, D., Wyman, O. L., and Westin, E., Potato *Verticillium* wilt. *Maine agric. Coll. Ext. Circ.* 265. 1951, 5 p.
- Gisiger, L., Der Kartoffelschorf, seine Ursachen und die Bekämpfung. *Schweiz. landw. Ztschr.* (Beil. »Die Grüne«) 79. 1951, 441—449, 4 Abb., 2 Taf.
- Goidanich, G., La »dattrosi« della patata. [*Colletotrichum atramentarium*] *Inform. Fitopat.*, Bologna, Pubbl. quindic., Gr. II, nr. 17—18. 1951, 5—7, 1 fig.
- Gries, G. A., Inhibition of the potato-scab organism by soluble aluminum ions. *Phytopathology* 41. 1951, 15.
- Guillemat, J., (Le rhizoctone noir de pomme de terre et son traitement par les aérosols.) *Pomme de Terre franç.*, Lille, 14. 1951, nr. 145, p. 3—9.
- Hey, A., Über die Schorfresistenz der in der DDR zugelassenen Kartoffelsorten. 25 Jahre Feldversuche in Neuhlefan. *Nachr.bl. dtsh. Pfl.schutzd.*, Berlin, NF. 5. 1951, 86—91.
- Hofferbert, W., und Orth, H., Unsere Arbeiten zur Rhizoctonia-Frage bei der Kartoffel. I. Gibt es für den Züchter Möglichkeiten, der Rhizoctonia methodisch zu begegnen? *Ztschr. Pfl.krankh.* 58. 1951, 245—256, 11 Abb.
- Hooker, W. J., and Page, O. T., Potato tuber growth and scab infection. *Phytopathology* 41. 1951, 17.
- Hooker, W. J., and Sherf, A. F., How to control potato scab. *Iowa Farm Sci.* 5. 1951, 108—109.
- Hooker, W. J., and Sherf, A. F., Scab susceptibility and injury of potato tubers by 2,4,5-trichlorophenoxyacetates. *Amer. Potato J.* 28. 1951, 675—681.
- Hoyman, W. G., 1950 potato fungicide experiments. *North Dakota agric. Exp. Stat. Bimonthly Bull.* 13. 1951, 154—156.
- Hüttenbach, H., Echter Mehltau auf Kartoffeln und Gurken. [*Erysiphaceen*] *Nachr.bl. dtsh. Pfl.schutzd.*, Braunschweig, 3. 1951, 98—100, 4 Abb.
- Huisman, Enkele opmerkingen over het gevaar voor het optreden van aardappelschorf op de in 1951 verpachte bedrijven. *Noordoostpolder* 6. 1951, nr. 31.
- Husz, B., A burgonya *Colletotrichum leszaradása* Magyarországon. (Zur *Colletotrichum*-Krankheit der Kartoffel in Ungarn.) *Ann. Inst. Prot. Plant.* 5. 1951, 229—239.
- Jansson, S., (A troublesome potato disease.) [bacterial stem diseases] *Lantmannen* 35. 1951, 680.
- Keyworth, W. G., *Verticillium* wilt disease of the potato. *Frontiers Plant Sci.* 4. 1951, 3.
- Klinkowski, M., Pilz- und Bakterienkrankheiten an Knolle und Wurzel der Kartoffel. *Bauern-Jahrb.* 3. 1951, 67—69.
- Kotthoff, P., Die Welkekrankheit der Kartoffel. [*Verticillium alboatrum*] *Gesunde Pflanzen* 3. 1951, 223—224.
- Kristensen, H. R., Rustpletter i Kartoffelknolde. (Rust spots on potato tubers.) *Dansk Landbr.* 70. 1951, 524—525, 2 fig.
- Leotorguiz, M., La costra o moho de la papa. [*Actinomyces*] *Dominican Republ. Sec. Est. Agr. Pecuaría y Colon. Agr.* 41. 1951, nr. 191, p. 18.
- Lihnell, D., Prövning av potatisblastens resistens mot bladmögel. *Växtskyddsnotiser*, Stockholm, 15. 1951, 29—33, 2 fig.
- Mai, W. F., Lear, B., and Boothroyd, C. W., Ineffectiveness of methyl bromide for killing the causal organisms of ring rot and seed piece decay of potatoes. *Plant Dis. Repr.* 35. 1951, 356—357.
- Metha, P. R., and Singh, J., Some problems of potato diseases in the Uttar Pradesh. *Agric., Anim. Husb., Uttar Pradesh*, 1. 1951, 43—53, 7 fig. (Potato Suppl.).
- Oswald, J. W., and Wright, D. W., Field control of potato scab in California. *Phytopathology* 41. 1951, 29.
- Perkins, B. L., Distribution, severity and control studies with *Corynebacterium sepedonicum* in several potato varieties. *Wyoming Univ. Publ.* 16. 1951, 198—199 (Abstr.).
- Pettinari, C., Azione patogena della *Clonostachys araucariae* Corda var. *rosea* Preuss su tuberi di *Solanum tuberosum*. *Boll. Staz. Pat. veg.*, Roma, 7 (ser. 3) (1949). 1951, 85—92, 9 fig.
- Pupillo, M., Marciume del cuore dei tuberi di patata da *Sclerotinia sclerotiorum*. *Inform. Fitopat.*, Bologna, nr. 14. 1951, 7, 1 fig.
- Raidt, W., »Fußkranke« Kartoffelstauden. *Bauernbl. Schlesw.-Holst.* 5./101. 1951, 828—829.
- Richter, H., und Schneider, R., Rhizoctonia-Schäden an Stolonen, Wurzeln und Knollenanlagen der Kartoffel. *Phytopath. Ztschr.* 17. 1951, 374—383, 7 Abb.
- Stapp, C., Fortgeführte Untersuchungen über die Widerstandsfähigkeit deutscher Kartoffelsorten gegen den bakteriellen Erreger der Schwarzbeinigkeit und Knollennaßfäule. [*Bact. phytophthorum*] *Nachr.bl. dtsh. Pfl.schutzd.*, Braunschwg., 3. 1951, 185—187.
- Starr, G. H., Some factors influencing infection by *Corynebacterium sepedonicum* in potato plants. *Amer. Potato J.* 28. 1951, 551—558.

- Starr, G. H., and Arnold, G.,** Inoculation studies with potato ring rot. J. Colorado-Wyoming Acad. Sci. 4. 1951, nr. 3, p. 59 (Abstr.).
- Thirumalachar, M. J.,** Ozonium wilt disease of potato. [O. texanum var. parasiticum] Curr. Sci., Bangalore, 20. 1951, 244—245, 2 fig.
- Werner, H. O., and Sandsted, R. F.,** Performance of scab resistant potato varieties in western Nebraska. [Actinomyces scabies] Amer. Potato J. 28. 1951, 645—658, 4 fig.
- Young, R. A., and Milbrath, J. A.,** Bacterial ring rot of potatoes. Oregon agric. Exp. Stat. Circ. Inform. 491. 1951, 5 p.
- Young, R. A., and Milbrath, J. A.,** A method of treating freshly cut seed-pieces on tuber-unit potato planters. [Fusarium, Pythium] Phytopathology 41. 1951, 945—946.
- Common scab of the potato.** Minist. Agric., Fish., London, Adv. Leaf. 5. 1951, 4 p.
- Dry rot (Fusarium) of potatoes.** New South Wales Dept. Agric. Plant Dis. Leaf. 43. 1951, 2 p.
- Vanlig skovr på potatis.** [Actinomyces] Stat. Växtskyddsanst., Stockholm, Flyghl. nr. 95 (rev. uppl. av nr. 40). 1951, 4 p., 1 fig.
- Phytophthora infestans**
- Bazán de Segura, C.,** El «hielo» de la papa; posibilidad de pronosticar la iniciación y progreso del «hielo» de la papa (Phytophthora infestans). Vida Agr., Lima, 28. 1951, 453, 455, 457, 459—460.
- Bazán de Segura, C.,** Trabajos preliminares para la obtención de variedades de papa resistentes al «Hielo» (Phytophthora infestans) en el C. N. I. E. A. de la Molina. — Reacción de las variedades de papa peruanas al «Hielo» (Phytophthora infestans) (Mont.) de Bary. Minist. Agric., Centro nac. Invest. Exp. agric. «La Molina», Lima (Perú), Bol. nr. 43. 1951, 22 p.
- Becker, A.,** Denkt an die Krautfäulebekämpfung! Landw. Ztschr. Nord-Rheinprov. 118. 1951, 527.
- Becker, A.,** 1951 — ein Krautfäulejahr. Landw. Ztschr. Nord-Rheinprov. 118. 1951, 618.
- Belmar Puelma, L. A.,** Tizón de la papa. Agrario 16. 1951, nr. 428, p. 29—30.
- Black, W.,** Inheritance of resistance to blight (Phytophthora infestans) in potatoes: inter-relationships of genes and strains. Proc. R. Soc. Edinburgh (Sect. B, Biol.) 64. 1951, 312—352.
- Black, W.,** War on the potato blight. Allahabad Farmer 25. 1951, 70—72.
- Callbeck, L. C.,** The effect of zinc-containing late blight fungicides on the growth and yield of potatoes. Proc. canad. phytopath. Soc. 18. Sess. 1951, 14—15 (Abstr.).
- Callbeck, L. C.,** Recent advances in late blight control. Maritime Agric. 1. 1951, 42—44.
- Campbell, J. C., and Pepper, B. B.,** Some observations on effects of wettable DDT and emulsifiable DDT on potato quality and blight control. Amer. Potato J. 28. 1951, 638—640.
- Chattopadhyay, S. B.,** Application of «Perenox» for control of blight diseases of potato in West Bengal, India. Plant Prot. Overseas Rev. 2. 1951, nr. 3, p. 12—16.
- De Carvalho, T.,** Um novo e violento ataque de mildio (Phytophthora infestans de Bary). (A new and violent attack of mildew (Phytophthora infestans de Bary).) Gazz. agric., Moçambique, 3. 1951, 282—284, 2 fig.
- Delević, B.,** (Contribution to the testing of susceptibility of potatoes against potato blight.) Plant Prot., Beograd, nr. 8. 1951, 3—17, 4 tab.
- Dowson, W. J., and Jones, D. R.,** Bacterial wet rot of potato tubers following Phytophthora infestans. Ann. appl. Biol. 38. 1951, 231—236.
- Drees, H.,** Krautfäule-Bekämpfung an Kartoffeln 1950. Gesunde Pflanzen 3. 1951, 9—11, 1 Abb.
- Ejsing, G.,** (Better preparations against potato blight.) Gart.-Tid. 67. 1951, 55—56.
- Emilsson, B.,** (Control of [potato] late blight and brown rot and utilization of preparations for vine killing in this connection.) Nord. Jordbr.forskn. 2/3. 1951, 393—399.
- Fuchslocher Thater, R.,** Informe sobre el tizón de la papa. Agric. austral. (Chile) 19. 1951, 173—175.
- Grodinsky, L.,** Medidas para combatir el tizón de la papa (Phytophthora infestans). Tractorista 4. 1951, nr. 20, p. 3—4, 14.
- Groh, Kartoffeln und Krautfäule.** Neue Mitt. Landw., Hannover, 6. 1951, 478.
- Hasselberg, L.,** (Spraying against late blight of potatoes.) Lantmannen (swed.) 35. 1951, 603.
- Hauck, Erfahrungen aus dem Kartoffelbau.** Bad. landw. Wochenbl. 118. 1951, 531.
- Hawkes, J. G.,** Organización y planeamiento para el mejoramiento de la papa. V. Agric. trop., Colombia, 7. 1951, nr. 9, p. 11—19.
- Hofsten, C. G. v.,** (Increased efforts in the fight against late blight of potatoes.) Lantmannen (swed.) 35. 1951, 547—548.
- Holmes, G.,** Watch the clamp; inspect for potato blight. Mod. Poultry Keeping 65. 1951, 675.
- Hopf, M.,** Untersuchung an Kartoffelnollen über eine Beeinflussung ihrer Phytophthora-infestans-Resistenz durch Insektizide. (Vorl. Mitt.) Nachr.bl. dtsh. Pfl.schutzd., Berlin, NF. 5. 1951, 74—75.

- Howatt, J. L., and Hodgson, W. A.**, Testing potatoes for resistance to late blight *Phytophthora infestans* (Mont.) de Bary. Proc. canad. phytopath. Soc. nr. 18. 1951, 11 (Abstr.).
- Hudault, E.**, Le mildiou des Solanées. Bull. Chambre Agric. Casablanca 22. 1951, nr. 244, p. 3—5.
- Hyre, R., and Horsfall, J. G.**, Forecasting potato late blight in Connecticut. Plant Dis. Reprtr. 35. 1951, 423—431, 5 fig.
- Jones, W.**, Summary of observations of the late blight resistant varieties Canso and Keswick grown at Comox during the 1950 season. Rept. brit. Columbia agron. Assoc. Conf. Jan. 1951.
- Kammermann, N.**, Undersökningar rörande potatisbladmöglet, *Phytophthora infestans* (Mont.) de By. II. Sambandet mellan potatisbladsaftens peroxidaktivitet och *Phytophthora*-Resistensen. Stat. Växtsk.anst., Stockholm, Meddel. nr. 58. 1951, 32 p., 1 fig.
- Leib, E.**, Die wirtschaftliche Bedeutung der Bekämpfung der Kraut- und Knollenfäule der Kartoffeln. Saarl. Bauernbl. 5. 1951, 166.
- López Otero, J. A.**, El «pie negro» y la «podredumbre húmeda» de la patata. Cult. Mod. 34. 1951, 414—415.
- Marcus**, Krautfäulebekämpfung tut not. Landw. Wochenbl. Kurh. u. Waldeck 166. 1951, 634—635, 2 Abb.
- Martini**, Behandlung durch Krautfäule beschädigter Kartoffelbestände? Württ. Wochenbl. Landw. 118. 1951, 645.
- Mezzetti, A.**, Un' infezione tardiva di peronospora delle patate. Inform. Fitopat., Bologna, nr. 7. 1951, 6.
- Moller, A. E.**, El aspecto práctico del tizón. Agric. austr. (Chile) 19. 1951, 109—113.
- Muncie, J. H., and Hatfield, M. R.**, Field experiments on the control of potato late blight. Michigan agric. Exp. Stat. Quart. Bull. 33. 1951, 332—336.
- Nagel, C. M., and Richardson, L. T.**, Fungicides for potato blight control. South Dakota agric. Exp. Stat. Circ. 89. 1951, 19 p.
- Nielsen, L. W.**, Ways to fight potato late blight. Res. and Farming (North Carolina Stat.) 9. 1951, nr. 3, p. 12—13.
- Olivas, S. J.**, Control del *Phytophthora infestans* en la papa. Mexico Ofic. Estud. Espec. Fol. Misc. 4. 1951, 165—167.
- Pal, B. P., and Pushkarnath**, Potato-breeding investigations in India. Emp. J. exp. Agric. 19. 1951, nr. 74, p. 87—103, 2 tab.
- Pohjakallio, O.**, Potatisens resistensfragar. (Questions of resistance in the potato.) Nord. Jordbr.forskn., København, 1951, nr. 2—3, p. 486—493, 4 fig.
- Post, J. J., en Richel, C.**, De mogelijkheden tot reorganisatie van de waarschuwingdienst voor aardappelziekte. Landbouwkdg. Tijdschr. 63. 1951, 77—95.
- Raidt, W.**, Rechtzeitiges Roden verhindert Braunfäule. Bauernbl. Schlesw.-Holst. 5./101. 1951, 854—855.
- Richardson, L. T.**, Fungicides for potato blight control. South Dakota agric. Exp. Stat. Circ. 89. 1951.
- Richardson, L. T.**, Potato blight control increases production. South Dakota Farm, Home Res. 2. 1951, 61—65.
- Rudorf, W., und Schaper, P.**, Grundlagen und Ergebnisse der Züchtung krautfäuleresistenter Kartoffelsorten. Ztschr. Pfl.züchtg. 30. 1951, 29—88, 12 Abb.
- Schaper, P.**, Die Bedeutung der Inkubationszeit für die Züchtung krautfäuleresistenter Kartoffelsorten. Ztschr. Pfl.züchtg. 30. 1951, 292—299.
- Scheibe, K.**, Zur Krautfäulebekämpfung 1951. Kartoffelwirtschaft 4. 1951, 223—224.
- Sommer, K.**, Krautfäulebekämpfung 1950. Kartoffelbau 2. 1951, 99—100.
- Stähli, H.**, Die Krautfäule der Kartoffeln droht gefährlich zu werden. Ostschweiz. Landwirt. 97. 1951, 959—962, 1 Abb.
- Stuckmann, F.**, Sind Spritzungen gegen Krautfäule lohnend? Hannov. land- u. forstw. Ztg. 104. 1951, 753.
- Taubitz, A.**, Die Bekämpfung der Kraut- und Knollenfäule der Kartoffeln. Zweijährige Erfahrungen in Niedersachsen in den Jahren 1949 und 1950. Gesunde Pflanzen 3. 1951, 21—23.
- Thijn, G. A.**, Aardappelveredeling in de N. O. P. Nieuwe Veldbode 17. 1951, 302—303.
- Thijn, G. A.**, Onvatbaarheid voor *Phytophthora*. Meded. nederl. alg. Keuringsd. (NAK.) 7 (1950). 1951, 89.
- Toxopeus, H. J.**, Over de mogelijkheid voor de aardappelwekers deel te nemen aan de selectie van voor *Phytophthora infestans* onvatbare aardappelrassen. Meded. nederl. alg. Keuringsd. (NAK.) 7 (1950). 1951, 54—56.
- Toxopeus, H. J.**, Voorschrift voor de behandeling van aardappelzaaisels met *Phytophthora infestans*. Meded. nederl. alg. Keuringsd. (NAK.) 7 (1950). 1951, nr. 11, p. 92, 1 fig.
- Waggoner, P. E.**, Gradients of potato late blight observed around artificially inoculated plants. Phytopathology 41. 1951, 36.
- Waggoner, P. E., and Shaw, R. H.**, Plant part temperatures influencing the epiphytology of potato and tomato late blight. Phytopathology 41. 1951, 36.
- Wallin, J. R.**, Response of the tomato and potato in field plots inoculated with *Phytophthora infestans*. Phytopathology 41. 1951, 37.

- Warmbrunn, K.**, Ist die Krautfäule der Kartoffeln wirksam zu bekämpfen? (Mitteilung des Pflanzenschutzamtes.) Württ. Wochenbl. Landw. 118. 1951, 423.
- Wilson, J. D.**, Data on late blight distribution and severity in Northwestern Ohio in 1950. Plant Dis. Repr. 35. 1951, 52.
- Zitzewitz, A. v.**, Krautfäulebetrachtungen 1950. Kartoffelbau 2. 1951, 96—98, 3 Abb., 124—125, 142—143.
- England:** Annual report of the director of the Meteorological Office presented by the Meteorological Committee to the Secretary of State for Air for the year April 1, 1950 to March 31, 1951. [potato blight warnings] H. M. Stat. Off., London 1951. 53 p., 1 tab. geogr.
- Krautfäulebekämpfung.** Auch in den Spätkartoffeln. Hannov. land- u. forstw. Ztg. 104. 1951, 761.
- Potato blight.** North. Ireland Minist. Agric. Leaf. 50. 1951, 8 p.
- Potato blight and its prevention.** Dept. Agric., Dublin, Leaf. nr. 14. 1951, 8 p.
- Potato blight warning.** Gard. Chron. 130. 1951, 99—100.
- Précautions à prendre pour réduire les pertes dues au mildiou de la pomme de terre.** Rev. rom. Agric., Vitic., Arboric. 7. 1951, 64.
- Synchytrium endobioticum**
- Belmar Puelma, L. A.**, Verruga negra o cancer de la papa. Agrario 16. 1951, nr. 426, p. 8, 14.
- Boncompagni, T., Scotti, T., e Lorenzini, T.**, Prove di lotta contro il Synchytrium endobioticum con l'impiego di razze di patate resistenti. Not. Mal. Piante nr. 14. 1951, 64—87.
- Grechushnikov, A. I., and Iakovleva, N. N.**, (Carbohydrate metabolism in potato wart disease growth.) Dokl. Akad. Nauk USSR. 76 (n. ser.). 1951, 303—304.
- Hartman, R. E.**, Potato wart in America. Plant Dis. Repr. 35. 1951, 268—271.
- Hey, A.**, Untersuchungen über die Anfälligkeit von Kartoffelsorten gegen den Krebsbiotyp G. Nachr. bl. dtsh. Pfl. schutzd., Berlin, NF. 5. 1951, 226—231.
- Hyre, R.**, A new severe case of potato wart in Pennsylvania. Plant Dis. Repr. 41. 1951, 432, 1 fig.
- Hyre, R.**, The potato wart eradication program in Pennsylvania. Plant Dis. Repr. 35. 1951, 326, 1 fig.
- Jehle, R. A.**, Potato wart in Maryland. Plant Dis. Repr. 41. 1951, 432.
- Payatsnik, V. V.**, (The introduction of wart-resistant varieties — a guarantee for the successful control of potato wart.) (Orchard and Garden) nr. 12. 1951, 54—57.
- Potlaichuk, V. I.**, (Biological specialization of potato canker organism (Synchytrium endobioticum).) Seleksiia i Semenovodstvo (Selection and Seed Growing) 18. 1951, nr. 2, p. 36—39.
- Sharikov, K. E.**, (A method for detecting live and dead zoosporangia of potato wart.) (Orchard and Garden) nr. 12. 1951, 57—60, 1 fig.
- Van den Ende, G.**, Een kleurmethode voor zoösporen en zygoten van Synchytrium endobioticum (Schilb.) Perc. Tijdschr. Plantenziekten 57. 1951, 130—132, 2 fig.
- Registration of new potato varieties and wart disease immunity trials.** Gard. Chron. 130. 1951, 203—204.
- Wart disease of potatoes order, 1941.** Gard. Chron. 129. 1951, 174.
- Unkräuter**
Weeds — Mauvaises herbes
- Bragg, K. K.**, The effect of 2, 4-D on the morphology and yield of potatoes. Canad. nat. Weed Comm. (East. Sect.) Proc. 4. 1951, 91—97.
- Chiasson, T. C.**, Chemical weed control in potatoes. Canad. nat. Weed Comm. (east. Sect.) Proc. 4. 1951, 12—20.
- Emilsson, B., and Gustafsson, N.**, (Control of weeds in potato culture.) Lantmannen 35. 1951, 815—816.
- Mac Lachlan, D. S., and Richardson, L. T.**, The rapidity of vine-killing by herbicides in relation to internal tuber discoloration in potatoes. Amer. Potato J. 28. 1951, 681—689.
- Nylund, R. E.**, The use of 2, 4-D and MCP for intensifying skin color of Pontiac potatoes. North Dakota Nat. Potato Conf., Grand Forks, Abstr. 1951, 1 p.
- Payne, M. G., Fults, J. L., and Hay, J.**, Free amino acids in potato tubers altered by 2, 4-D treatment of plants. Science, Lancaster, 114. 1951, 204—205.
- Warren, G. F.**, Control of weeds in vegetable crops, potatoes, sugar-beets, small fruits and ornamentals: Vegetable crops and potatoes. North Centr. Weed Control Conf. Res. Rept. 7 (1950). 1951?, 140—169.
- Tierische Feinde**
Animal parasites — Parasites animaux
- Bartoloni, P.**, La Phthorimaea operculella Zeller (Lep. Gelechiidae) in Italia. (Note sulla morfologia, biologia e mezzi di lotta.) »Redia«, Giorn. Ent., Firenze, 36 (2. ser.). 1951, 301—379, 29 fig.
- Bellavite, F.**, (The potato tuberworm (Phthorimaea operculella Z.)) Inform. Agric. 7. 1951, nr. 19, p. 4.
- Chiarelli de Gahan, A.**, La polilla de la papa. [Gnorimoschema operculella] Pampa Argentina 24. 1951, nr. 281, p. 24—25.

- Cole, T. V.**, Biological studies of the more important insects attacking potatoes in Manitoba. Manitoba ent. Soc. Proc. 7. 1951, 8—10.
- Daniels, L. B.**, Pests controlled by using DDT. Colorado Potato Grower 29. 1951, 1, 6.
- Della Beffa, G.**, (The important matter of Elateridae in the production and price of potatoes.) Cron. Econ. (ital.) 101. 1951, 34—35.
- Delmas, J.**, La teigne de la pomme de terre (*Gnorimoschema operculella* Zell.). Pomme Terre franç. 14. 1951, nr. 143, p. 7—12. — Bouches du Rhône Agric. 23. 1951, nr. 1061, p. 10.
- Fiori, G.**, Danni ai tuberi di patata da *Vesperus luridus*. [Cerambycidae] Inform. Fitopat., Bologna, nr. 5. 1951, 7—8, 2 fig.
- Glendenning, R., and Neilson, C. L.**, The tuber flea beetle. [*Epitrix tuberis*] Canada Dept. Agric. Proc. Publ. Ser. Ent. nr. 96. 1951, 5 p., 1 fig.
- Gupta, K. M.**, Potato *epilachna* (*Epilachna vigintioctopunctata*) and its control in the Kumaun Hills. Agric., Anim. Husb. 1. 1951, 58—61.
- Jackson, D. J.**, Food-plant of *Jacksonia papillata* Theobald (Hemiptera: Aphididae). [potatoes] R. ent. Soc. London, Ser. A (Gen. Ent.), 26. 1951, 41—42.
- Lal, K. B., and Gupta, K. M.**, Potato tuber moth (*Gnorimoschema operculella*) and its control. Agric., Anim. Husb. 1. 1951, 54—57.
- Lloyd, G. W.**, Insecticide tests against the potato tuberworm. [*Gnorimoschema operculella*] J. econ. Ent. 44. 1951, 613—614.
- Lloyd, N. C.**, Control of potato moth (*Gnorimoschema operculella*); promising results with DDT. Agric. Gaz. New South Wales 62. 1951, 237—240.
- MacCarthy, H. R.**, A comparison of potato tuber damage by tow flea beetles, *Epitrix tuberis* Gent. and *Epitrix subcrinita* (Lec.) (Coleoptera: Chrysomelidae). Brit. Columbia ent. Soc. Proc. 47 (1950). 1951, 42.
- Mallo, R. C.**, Nota sobre un insecto minador (*Liriomyza*?) de las hojas de la papa (Diptera Agromyzidae). IDIA (Inform. Invest. agric., Argentina) 4. 1951, 3.
- May, A. W. S.**, Potato tuber moth (*Gnorimoschema operculella*) control in South Queensland. Queensland agric. J. 73. 1951, 213—214.
- Parmentier, P.**, Producteurs de pommes de terre luttent contre le taupin qui déprécie vos récoltes. [Agricoles spp.] Terre Nouvelle 98. 1951, 5.
- Pfützenreiter**, Beobachtungen zur Frage der biologischen Engerlingsbekämpfung. Bad. landw. Wochenbl. 118. 1951, 567—568. — Württ. Wochenbl. Landw. 118. 1951, 746—747.
- Seiffert, M.**, Über eine epidemische Blattdürre der Kartoffel (Erreger *Tetranychus althaeae* v. Hanstein). Nachr.-bl. dtsh. Pflschutzd., Berlin, NF. 5. 1951, 189—193, 3 Abb.
- Sparks, W. C.**, The feeding habits of mice as correlated with the specific gravity of the stem and bud ends of potato tubers. Proc. amer. Soc. hort. Sci. 58. 1951, 288—290.
- Stelzner, G.**, Schädigung von Kartoffelpflanzen und anderen Solanaceen durch die Milbe *Avrosia translucens* Nietner. Ztschr. Pflkrankh. 58. 1951, 412—416, 6 Abb.
- Tobias, H.**, Zur Beurteilung von Drahtwurmschäden bei Pflanzkartoffeln. Kartoffelwirtschaft 4. 1951, 15.
- Venturi, F.**, (The potato tuberworm (*Gnorimoschema operculella*) and allowable methods of control.) Agric. Tosc. (ital.) 6. 1951, 258—260.
- The potato moth (*Gnorimoschema operculella*). Agric. Gaz. New South Wales 62. 1951, 664—667.

Nematodes

- Adair, W.**, Controlling the potato's real enemy. [eelworm] Farming News, North Brit. Agric. 103. 1951, nr. 21, p. 3.
- Böhm, O.**, Achtung auf das Kartoffelälchen! Pflanzenarzt, Wien, 4. 1951, Nr. 10, S. 1—2, 1 Abb.
- Bullard, D.**, The invisible worm. Farmer's Weekly 34. 1951, nr. 16, p. 55.
- Chitwood, B. G.**, The golden nematode of potatoes. U.S. Dept. Agric. Circ. nr. 875. 1951, 48 p., fig., tab.
- Conkle, H. J., and Rothe, C. H.**, Potato rot nematode surveys: 1946—1950. Plant Dis. Repr. 35. 1951, 3—8.
- Crosby, J.**, Stunted tomatoes should be suspect. They may be victims of potato root eelworm. Smallholder 85. 1951, nr. 2139, p. 9.
- Ellenby, C.**, Mustard oils and control of the potato-root eelworm, *Heterodera rostochiensis* Wollenweber: further field and laboratory experiments. Ann. appl. Biol. 38. 1951, 859—875, 1 fig.
- Feldmesser, J., Fassuliotis, G., and Spruyt, F. J.**, Investigations on control of the golden nematode of potatoes. Plant Dis. Repr. 35. 1951, 515—518.
- Fenwick, D. W.**, The effect of temperature on the development of the potato-root eelworm, *Heterodera rostochiensis*. Ann. appl. Biol. 38. 1951, 615—617.
- Fenwick, D. W.**, Investigations on the emergence of larvae from the cysts of the potato-root eelworm, *Heterodera rostochiensis*. 4. Physical conditions and their influence on larval emergence in the laboratory. 5. A shortened method for the conduct of hatching tests. J. Helminth. 25. 1951, 37—48, 49—56, 4 fig.
- Fenwick, D. W.**, A new modification of the McMaster slide for use in potato-root eelworm investigations. Journ. Helminth. 25. 1951, 173—176, 2 fig.
- Fenwick, D. W.**, On the varying nematocidal effects of different samples of D-D against the potato-root eelworm *Heterodera rostochiensis*. Journ. Helminth. 25. 1951, 166—172, 1 fig.

- Fenwick, D. W., and Reid, E., A rapid method for estimating the density of white cysts of *Heterodera rostochiensis* on potato roots. *Nature*, London, 167. 1951, 534.
- Goffart, H., Der Kartoffelnematode als internationales Problem. *Ztschr. Pfl.krankh.* 58. 1951, 82—88.
- Goffart, H., Methoden zur Untersuchung von Böden auf Kartoffelälchen. *Nachr.bl. dtsh. Pflschutzd.*, Braunschweig, 3. 1951, 25—27, 6 Abb.
- Goffart, H., Wege zur Feststellung des Auftretens von Kartoffelälchen im Boden. *Kartoffelbau* 2. 1951, 94—95, 1 Abb.
- Gram, E., (More vigorous fight against the potato nematode.) *Gart.-Tid.* (danish) 67. 1951, 359—360.
- Henderson, V. E., Some host relationships of the potato-root nematode, *Ditylenchus destructor* Thorne, 1945. *Nature*, London, 167. 1951, 952.
- Jacob, F. H., Foister, C., et Chamberlain, R., Fleaux de la pomme de terre. 2. Nématode doré (*Heterodera rostochiensis* Woll.). [Ref.] *Phytoma*, Paris, 4. 1951, nr. 27—28, p. 35, 1 tab. geogr.
- Kofoed, A. D., (Potato nematode.) *Dansk Landbr.* 70. 1951, 346—347.
- Lownsbey, B. F., Larval emigration from cysts of the golden nematode of potatoes, *Heterodera rostochiensis* Wollenweber. *Phytopathology* 41. 1951, 889—896, 2 fig.
- Lownsbey, B. F., Lownsbey, J. W., and Mai, W. F., Nematodes found in New York State potato fields with different cropping histories. *Phytopathology* 41. 1951, 24.
- Mai, W. F., *Solanum xanthi* and *S. integrifolium*, new hosts of the golden nematode, *Heterodera rostochiensis*. *Phytopathology* 41. 1951, 24. — *Amer. Potato J.* 28. 1951, 578—579.
- Mai, W. F., Spruyt, F. J., Lear, B., and Feldmesser, J., Yields of Green Mountain and Cobbler potato varieties grown on golden nematode infested soil. *Amer. Potato J.* 28. 1951, 617—625.
- Montaldo, A., Fitomejoramiento para resistencia a la nematosis de la papa. *Chile Dir. Gen. Agr. agr. Tecn.* 11. 1951, 64—85.
- Nolte, H.-W., Der Kartoffelnematode (*Heterodera rostochiensis* Wr.). *Pflschutzzamt Sachsen-Anhalt Merkbl.* Nr. 71. 1951, 6 S., 5 Abb.
- Peters, B. G., Review of work on potato root eelworm. *Rothamsted Exp. Stat. Rept.* 1950. 1951, 147—156.
- Poignant, Quelques notes ... sur le nématode doré de la pomme de terre. [*Anguillulina dipsaci*] *Phytoma*, Paris, 4. 1951, nr. 23, p. 20—21.
- Sasser, J. N., Feldmesser, J., and Fassuliotis, G., Control of golden nematode of potatoes with an organic phosphate insecticide. *Phytopathology* 41. 1951, 31.
- Sasser, J. N., Feldmesser, J., and Fassuliotis, G., Studies on the control of golden nematode of potatoes, with systox spray (E-1059), an organic phosphate insecticide. *Plant Dis. Reprtr.* 35. 1951, 152—155.
- Stone, L. E. W., Potato root eelworm under glass in Somerset. *Agriculture, Journ. Minist. Agric.*, London, 58. 1951, 391—394, 1 tab. geogr.
- Thirumalachar, M. J., Root-knot nematode on potato tubers in Simla. *Curr. Sci.* 20. 1951, 104.
- Van den Brande, J., Le nematode de la pomme de terre, *Heterodera rostochiensis*, Ww. *Ann. Agric., Hortic.* 3 (1950—51). 1951, 147—152.
- Van den Brande, J., Kips, R. H., Beheydt, C., en D'Herde, J., Chemische bestrijding van het aardappelcystenaaltje *Heterodera rostochiensis* Woll. *Meded. Landbouwhoogeschool. Opzoekingsstat.*, Gent, 16. 1951, 247—259.
- Watson, J. A. S., Discovery. IV. Potato root eelworm. *Young Farmer* 19. 1951, 79—80.
- Wenzl, H., Zum Auftreten des Kartoffel-Wurzelälchens (*Heterodera rostochiensis* Wollenw.) in Österreich. *Pflanzenschutzberichte*, Wien, 7. 1951, 161.
- The golden eelworm; studies on the ecology and control of the potato root eelworm, *Heterodera rostochiensis*. *West. scot. agric. Coll. Res. Bull.* 10. 1951, 72 p.
- The golden nematode (*Heterodera rostochiensis*) a new potato menace. *U.S. Dept. Agric., Bur. Ent., Plant Quar.*, Pa—184. 1951, 8 p.
- Kartoffelälchen. *Pflanzenarzt*, Wien, 4. 1951, Nr. 11, S. 7, 1 Abb.
- Nematodes infesting potatoes. In: *U.S. Bureau of Entomology and Plant Quarantine*, year 1950—1951. *U.S. Dept. Agric., Admin. agric. Res. Rept.* 1951, 312—313.
- Potato root eelworm (*Heterodera rostochiensis*). *Minist. Agric., Fish.*, London, Adv. Leaflet 284. 1951, 5 p.
- Wer kennt das Kartoffelälchen? (Mitteilung des Pflanzenschutzamtes.) *Württ. Wochenbl. Landw.* 118. 1951, 531.

Leptinotarsa decemlineata

- Atanacković, St., (La campagne antidoryphorique en 1950.) *Plant Prot.*, Beograd, 1. 1951, nr. 4, p. 74—84.
- Baumgarten, Wie steht es mit dem Kartoffelkäfer? *Gesunde Pflanzen* 3. 1951, 171.
- Becker, Kalkstickstoff und Kartoffelkäferbekämpfung. *Landw. Ztschr. Nord-Rheinprov.* 118. 1951, 341.
- Besemer, A. F. H., Fransen, J. J., en Ormel, H. A., Korte mededelingen over een proef met druknevelsprit en vliegtuig ter bestrijding van de Colorado-kever. *Maandbl. Landbouwvoordienst, 's-Gravenhage*, 8. 6. 1951, 236—242, 3 Abb. (*Inst. plit.ziekt.-kdg. Onderz.*, Wageningen, *Meded.* nr. 20).

- Bianchi, A.**, (Resistance of *Solanum chacoense* Bitt. to *Leptinotarsa decemlineata* Say and its significance in potato growing.) Genet. Agric. 2. 1951, 309—312.
- Boursier**, Campagne antidoryphorique. Pomme de Terre franç. 14. 1951, nr. 148, p. 15—16.
- Brčák, J.**, Lze předvidat výskyt nových ohnisek mandelinky bramborové? (Est-ce qu'on peut prévoir les nouveaux foyers de l'expansion du doryphore?) Ent. Listy (Folia ent.), Brno, 13 (1950). 1951, 1—5, 2 fig.
- Bukasov, S. M.**, (Selection of potatoes that are resistant to the Colorado beetle (*Leptinotarsa decemlineata*.) Vsesoiuzn. Inst. Rastenievod. Trudy Prikl. Bot. Genet., Selekt. 29. 1951, 71—76.
- Cannon, F. M.**, The Colorado potato beetle. Canada Dept. Agric. Proc. Publ. Ser. Ent. nr. 92. 1951, 4 p., 1 fig.
- Cremer, M.**, Alarm Kartoffelkäfer; Gammanexit und Gamma-Spritz-Nexit helfen. Landfrau 6. 1951, Nr. 10, S. 12—13.
- Diedler, C.**, Haben wir die Kartoffelkäferschlacht gewonnen? Neue Mitt. Landw., Hannover, 6. 1951, 292.
- Dombröse, W.**, Der Kartoffelkäfer, seine Entwicklung, Ausbreitung und Bekämpfung. Akad. Verl. ges. Geest & Portig K. G., Leipzig 1951. 34 S., 16 Abb.
- Drees, H.**, Der Kartoffelkäfer, sein Auftreten und seine Bekämpfung im Jahre 1950. Bundesmin. Ernähr., Landw. u. Forsten, Bonn 1951. 12. S., 1 Abb.
- Dunn, E.**, Wing coloration as a means of determining the age of the Colorado beetle (*Leptinotarsa decemlineata* Say). Ann. appl. Biol. 38. 1951, 433—434, 1 tab. col.
- Engel, H.**, Erfahrungen bei der Kartoffelkäfer-Bekämpfung in der Oberrheinebene. Gesunde Pflanzen 3. 1951, 24—26.
- Engel, H.**, Wie bekämpfen wir den Kartoffelkäfer (*Leptinotarsa decemlineata*) 1951? Bauern-Ztg. 4. 1951, nr. 22, S. 4.
- Faber, W.**, Genügt der Vogelschutz zur Bekämpfung des Kartoffelkäfers (*Leptinotarsa decemlineata*)? Landwirtschaft 1951, 195—196.
- Faber, W.**, Vogelschutz oder Pflanzenschutz gegen den Kartoffelkäfer? Pflanzenarzt, Wien, 4. 1951, Nr. 4, S. 1—2.
- Gallwitz, K.**, Hubschrauber über deutschen Kartoffelfeldern. Landtechnik 6. 1951, 605—606.
- Geisler, E.**, Der geschichtliche Verlauf der Kartoffelkäferkalamität und ihrer Bekämpfung. Merck-Blätter, Darmstadt, F. 2. 1951, 4 S.
- Gradojević, M.**, (La découverte du doryphore en Yougoslavie et la campagne en 1946.) Plant Prot., Beograd, 1. 1951, nr. 4, p. 18—34, 8 fig.
- Grandori, R., and Blumer, G.**, (Controlling *Leptinotarsa decemlineata* with calcium cyanamide.) Boll. Zool. agr., Bachicoltura. 17. 1951, 149—156.
- Grisson, P.**, Relations entre l'état physiologique de la plante-hôte, *Solanum tuberosum*, et la fécondité du doryphore, *Leptinotarsa decemlineata* Say. 9. int. Congr. Ent., Amsterdam, 4. 1951, 14.
- Guénin, H. A., et Scherler, M.**, La formule chromosomiale du doryphore *Leptinotarsa decemlineata* Stal. Rev. suisse Zool. 58. 1951, 359—370.
- Haget, A.**, Quelques précisions sur le phénomène d'induction dans la morphogenèse de l'intestin moyen chez l'embryon de *Leptinotarsa* (insecte, Col.). Compt. rend. Acad. Sci., Paris, 232. 1951, 2480—2482.
- Haronska, G.**, Lohnt sich die Kartoffelkäferbekämpfung? Landw. Ztschr. Nord-Rheinprov. 118. 1951, 28, 2 Abb.
- Henisch, G.**, Hühnerfeldzug gegen Kartoffelkäfer und andere Schädlinge. Geflügelhof 14. 1951, 397—398.
- Hillemann, H.**, Und nochmals — der Kartoffelkäfer (*Leptinotarsa decemlineata*). Landw. Wochenbl. Weser-Ems 98. 1951, 633—634.
- Horber, E.**, Chemische Bekämpfung des Kartoffelkäfers mit Nebelgerät (System »Borchers«) und Sprüherät (Nebelblaser). Landw. Jahrb. Schweiz 65. 1951, 526—527.
- Horber, E.**, The control of the Colorado beetle (*Leptinotarsa decemlineata* Say) in Switzerland from 1945 to 1949. Int. Congr. Crop Prot. Proc. 2 (1949). 1951, 221—225.
- Horber, E.**, Zur chemischen Kartoffelkäferbekämpfung im Jahre 1951. Ostschweiz. Landwirt 97. 1951, 1078—1080. — Innerschweiz. Bauernztg. 17. 1951, Nr. 27, S. 5. — St. Galler Bauer 38. 1951, 759—761.
- Hosch, L.**, Kartoffelkäfer und Krautfäule bedrohen die Kartoffeln. Hannov. land- u. forstw. Ztg. 104. 1951, 585.
- Hosch, L.**, Der Kartoffelkäfer und seine Bekämpfung. Kartoffelwirtschaft 4. 1951, 248.
- Hosch, L.**, Zur Kartoffelkäferbekämpfung. Kartoffelbau 2. 1951, 95—96.
- Ilif, B.**, (Quelques essais de lutte et observations biologiques sur le doryphore effectuées à Brežice en 1946.) Plant Prot., Beograd, 1. 1951, nr. 4, p. 85—88.
- Jermy, T.**, Magyarországi megfigyelések a kolorádóbogáron. (Beobachtungen über den Koloradokäfer in Ungarn.) Acta agron. Acad. sci. hung. 2. 1951, 271—296.
- Slakočar, E.**, (La campagne antidoryphorique en Slovénie en 1949.) Plant Prot., Beograd, 1. 1951, nr. 4, p. 60—67, 2 fig.
- Kopp, J.**, Zur chemischen Kartoffelkäfer-Bekämpfung im Jahre 1951. Schweiz. landw. Ztg. »Grüne« 79. 1951, 756—760.

- Langenbuch, R.**, Beitrag zur Klärung der Ursache der Kartoffelkäferresistenz der Wildkartoffel (*Solanum polyadenium* Greenm.). Nachr.bl. dtsh. Pfl.schutzd., Braunschweig, 3. 1951, 69—71, 3 Abb.
- Lavezzini, A.**, (Control tests for doryphore (*Leptinotarsa decemlineata*) in the province of Parma in the 1950 season.) Agric. Ital. 2. 1951, 420—426.
- Leib, E.**, Anerkannte und geprüfte Mittel zur Bekämpfung des Kartoffelkäfers und der Kartoffelkrautfäule. Saarl. Bauernbl. 5. 1951, 102.
- Leib, E.**, Auftakt zur »K-K-Kampagne 1951«. [Kartoffelkäfer] Saarl. Bauernbl. 5. 1951, 98, 1 Abb.
- Leib, E.**, Beitrag zur »Überwinterung des Kartoffelkäfers (*Leptinotarsa decemlineata* Say) und sein Erscheinen im Frühjahr in seinen Beziehungen zu meteorologischen Faktoren«. Nachr.bl. dtsh. Pfl.schutzd., Braunschweig, 3. 1951, 42—44.
- Lene, La** lutte antidoryphorique dans le Nord en 1951. Pomme Terre franç. 14. 1951, nr. 140, p. 15—16.
- Lindfors, Th.**, Koloradoskalbaggen — situationen i Europa just nu. Växtskyddsnotiser, Stockholm, 15. 1951, 42—44.
- Martelli, G. M.**, and **D'Ausilio, G.**, (The most economical insecticide for control of potato doryphore (*Leptinotarsa decemlineata*).) [DDT] Giorn. Agric. 61. 1951, 243.
- Marzusch, K.**, Insektizide und Arsengift in der Kartoffelkäferbekämpfung. Kartoffelwirtschaft 4. 1951, 174—175, 1 Abb.
- Marzusch, K.**, Rettet die Kartoffel! [C-B-Ho gegen Kartoffelkäfer] Hannov. land- u. forstw. Ztg. 104. 1951, 458.
- Marzusch, K.**, Sichere Kartoffelkäferbekämpfung. Kleingärtner u. Siedler 5. 1951, 102, 1 Abb.
- Mayer, H. R.**, Kartoffelkäferbefall und Kartoffelkäferbekämpfung in Bayern im Jahre 1951. Pflanzenschutz, München, 3. 1951, 137—141, 2 Abb.
- Mayer, H. R.**, Wild- und Haushuhnarten als Kartoffelkäfervertilger? Landw. Wochenbl. München 141. 1951, 1023.
- Mouravieff, M.**, Étude de la rapidité de l'action insecticide de l'hexachlorocyclohexane technique, du DDT et du 1068 sur les larves de doryphores (*Leptinotarsa decemlineata*). Int. Congr. Crop Prot. Proc. 2 (1949). 1951, 279—283.
- Müller-Using, D.**, Nehmen unsere Wildhuhnarten Kartoffelkäfer auf? Wild u. Hund 54. 1951, 193—195.
- Münch, H.**, Zur biologischen Bekämpfung des Kartoffelkäfers (*Leptinotarsa decemlineata*). Urania 14. 1951, 192—194.
- Nonveiller, G.**, (Aperçu sur les résultats des cinq années de campagnes antidoryphoriques en Yougoslavie et nos taches dans l'avenir.) Plant Prot., Beograd, 1. 1951, nr. 4, p. 89—100, 3 fig.
- Nonveiller, G.**, (L'aspect international du problème doryphorique.) Plant Prot., Beograd, 1. 1951, nr. 4, p. 4—17, 1 fig.
- Ormel, H. A.**, De coloradokever. Landb.courant Veenkoloniën etc. nr. 8. 1951, 3.
- Perucci, E.**, (Observations on the Colorado potato beetle (*Leptinotarsa decemlineata*).) Tabacco (ital.) 55. 1951, 127—133.
- Picco, D.**, Esperienze di lotta contro la dorifora della patata (*Crysmela decemlineata* Say) effettuate durante l'anno 1951. Not. Mal. Piante nr. 17. 1951, 46—52.
- Prešern, T.**, (Les campagnes contre le doryphore en Slovénie en 1947 et 1948.) Plant Prot., Beograd, 1. 1951, nr. 4, p. 35—59, 15 fig.
- Rademacher, B.**, Kalkstickstoff zur Kartoffelkäferbekämpfung? Württ. Wochenbl. Landw. 118. 1951, 324.
- Ricci, I.**, (Corn pyralid (*Pyrausta nubilalis*) and doryphore of potato (*Leptinotarsa decemlineata*).) Romagna Agr. Zootecn. 36. 1951, nr. 5, p. 4.
- Schmidt, L.**, (Biological experiments with insecticides for controlling Colorado beetle—*Doryphora decemlineata* Say.) Saschita Bilja (Plant Prot.), Beograd, nr. 5. 1951, 22—31, 1 fig.
- Schumacher, G.**, Hubschrauber gegen Kartoffelkäfer. Gesunde Pflanzen 3. 1951, 189—191, 3 Abb.
- Schumacher, G.**, and **Haronska, G.**, Erfahrungen aus dem ersten Hubschraubereinsatz gegen den Kartoffelkäfer in der Bundesrepublik. S.-H. Gesunde Pflanzen 1951. 40 S., 38 Abb., 1 Karte (Verlag Kommentator, GmbH, Frankfurt/Main).
- Schwartz, E.**, Nachwirkungen einer insektiziden Behandlung bei Vollinsekten des Kartoffelkäfers. Nachr.bl. dtsh. Pfl.schutzd., Berlin, NF. 5. 1951, 185—189, 2 Abb.
- Siegfried, O. v.**, Die Kartoffelkäfer-Bekämpfung 1951. Gesunde Pflanzen 3. 1951, 74—75.
- Small, T.**, and **Thomas, G. E.**, Colorado beetle in Jersey: 1949 and 1950. Agriculture, Journ. Min. Agric., London, 57. 1951, 582—586.
- Špehar, V.**, (La lutte contre le doryphore en Croatie de 1947 à 1949.) Plant Prot., Beograd, 1. 1951, nr. 4, p. 68—73.
- Stephan, F.**, Kartoffelkäferbekämpfung 1951. [in Österreich] Bauer 4. 1951, Nr. 35, S. 9—10.
- Thiem, E.**, Eine bisher nicht beobachtete Schwarzfleckenkrankheit der Kartoffelkäferlarven. Nachr.bl. dtsh. Pfl.schutzd., Berlin, NF. 5. 1951, 75.
- Thiem, E.**, Untersuchungen über die Giftempfindlichkeit der Kartoffelkäferlarven in Abhängigkeit vom Entwicklungszustand. Nachr.bl. dtsh. Pfl.schutzd., Berlin, NF. 5. 1951, 8—12.

Thijn, I. G. A., (The triumphal march of the Colorado potato beetle.) *Nieuwe Veldbode* 18. 1951, 195.

Thomas, I., and **Dunn, E.**, Colorado beetle in England, 1950. *Agriculture, Journ. Min. Agric.*, London, 58. 1951, 135—139, 1 tab. geogr.

Vaccheri, G., (Control of doryphore (*Leptinotarsa decemlineata*.) *Campagna (ital.)* 50. 1951, 82—83.

Warmbrunn, K., Die Bekämpfung des Kartoffelkäfers. (Mitteilung des Pflanzenschutzamtes.) *Württ. Wochenbl. Landw.* 118. 1951, 401.

Warmbrunn, K., Kartoffelkäfer- und Krautfäulebekämpfung. (Mitteilung des Pflanzenschutzamtes.) *Württ. Wochenbl. Landw.* 118. 1951, 585.

Watzl, O., and **Böhm, O.**, Über ein sicheres Merkmal zur Unterscheidung der Eier von *Leptinotarsa decemlineata* Say und *Coccinella septempunctata* L. *Pfl.schutzber.*, Wien, 6. 1951, 131—133, 1 Abb.

Wieland, K., Kartoffelkäferbekämpfung mit Kalkstickstoff. *Württ. Wochenbl. Landw.* 118. 1951, 281.

Wiesheu, Neuere Untersuchungen über die Futterwahl des Kartoffelkäfers. *Pflanzenschutz*, München, 3. 1951, 92—94.

Wille, J. B., El escarabajo de la papa o »Colorado potato beetle« (*Leptinotarsa decemlineata*). *Vida agric.*, Lima, 28. 1951, 715, 717, 719.

Winning, E. v., Bewährte Methoden der Aufzucht von Kartoffelkäfern im Laboratorium. *Nachr.bl. dtsh. Pfl.schutzd.*, Berlin, NF. 5. 1951, 128—130, 2 Abb.

Zimmermann, Energische Bekämpfung der Kartoffelkäfer-Plage. *Landw. Wochenbl. Kurh. u. Waldeck* 166. 1951, 134.

Acht auf den Kartoffelkäfer! 29 Gefräßige an einem einzigen Gartenpfahl. *Landw. Ztschr. Nord-Rheinprov.* 118. 1951, 574, 1 Abb.

Le doryphore. *Rev. rom. Agric., Vitic., Arboric.* 7. 1951, 30—31.

Le doryphore en Europe en 1950. Résumé de la situation dans différents pays de l'Europe établi d'après des rapports fournis par les Services de Protection des Végétaux des différents pays. *Organis. europ. Prot. Plantes*, Paris, März 1951. 116 p., 8 tab.

Fleaux de la pomme de terre. 1. *Doryphore*. [Ref.] *Phytoma*, Paris, 4. 1951, nr. 27—28, p. 34.

Hubschrauber gegen Kartoffelkäfer. *Kartoffelwirtschaft* 4. 1951, 283.

Der hundertjährige Kartoffelkäfer. *Kartoffelwirtschaft* 4. 1951, 303.

Schweiz (Eidgenössische Landwirtschaftliche Versuchsanstalt Zürich-Oerlikon): Zur chemischen Kartoffelkäfer-Bekämpfung im Jahre 1951. *Grüne* 79. 1951, 756—760.

Virus

Arenz, B., Der Einfluß verschiedener Faktoren auf die Resistenz der Kartoffel gegen die Pflirschblattlaus. — Weitere Ergebnisse über die Resistenz der Kartoffel gegen die Pflirschblattlaus. *Ztschr. Pfl.bau u. -schutz* 2 (46). 1951, 49—62, 4 Abb., u. 63—67.

Asano, M., and **Aikawa, H.**, (On the percentage of virus diseased potato.) *Kyushu Noji Shikinja* 8. 1951, 97—98.

Asuyama, H., and **Komuro, Y.**, Studies on the classification of potato viruses. II. A complex of viruses inducing crinkle mosaic of potato variety »Benimaru«. *Ann. phytopath. Soc. Japan* 15. 1951, nr. 2, p. 49—54.

Bercks, R., Infektionsversuche mit dem X-Virus an Kartoffelpflanzen. *Mitt. Biol. Zentralanst. Berlin-Dahlem* H. 70. 1951, 61—64.

Bercks, R., Weitere Untersuchungen zur Frage der Altersresistenz der Kartoffelpflanzen gegen das X-Virus. *Phytopath. Ztschr.* 18. 1951, 249—269.

Björnstad, A., (Preliminary survey of yield tests with virus free and virus X infected potatoes.) *Norsk Landbr.* 17. 1951, 190—193.

Black, L. M., Further studies on the properties of potato yellow-dwarf virus. *Phytopathology* 41. 1951, 213—220.

Bode, O., Über den Gehalt an Blattfarbstoffen in gesunden und blattrollkranken Kartoffelpflanzen. *Mitt. Biol. Zentralanst. Berlin-Dahlem* H. 70. 1951, 64—68, 1 Abb.

Bonde, R., and **Merriam, D.**, Potato spindle tuber control. *Maine agric. Exp. Stat. Bull.* 487. 1951, 15 p.

Bonde, R., and **Merriam, D.**, Studies on the dissemination of the potato spindle tuber virus by mechanical inoculation. *Amer. Potato J.* 28. 1951, 531—550.

Bradley, R. H. E., and **Ganong, R. Y.**, Aphid infestation on Katahdin (potatoes) and on a seedling resistant to *Myzus persicae* (Sulz.), with two dates of planting. *Canad. J. Zool.* 29. 1951, 329—338.

Brakke, M. K., **Black, L. M.**, and **Wyckoff, R. W. G.**, The sedimentation rate of potato yellow-dwarf virus. [*Solanum Virus 16*] *Amer. J. Bot.* 38. 1951, 332—342.

Chapman, R. K., Control of aphids affecting potato crops. *Amer. Assoc. econ. Ent., North Centr. States Branch, Proc.* 6. 1951, 15—16.

Claridge, J. H., Spread of virus diseases in potato crops. *New Zealand J. Agric.* 83. 1951, 209, 211—212.

Darby, J. F., and **Larson, R. H.**, Variation in virulence of naturally occurring strains of potato virus Y. *Amer. Potato J.* 28. 1951, 561—562.

Darby, J. F., **Larson, R. H.**, and **Walker, J. C.**, Variation in virulence and properties of potato virus Y strains. *Wisconsin agric. Exp. Stat. Res. Bull.* 177. 1951, 32 p., 12 fig.

- Davidson, T. R.**, Incidence of potato tuber leaf-roll phloem necrosis as influenced by infection. *Proc. canad. phytopath. Soc.* nr. 19. 1951, 15 (Abstr.).
- Davis, E. W., and Landis, B. J.**, Life history of the green peach aphid on peach and its relation to the aphid problem on potatoes in Washington. [*Myzus persicae*] *J. econ. Ent.* 44. 1951, 586—590, 1 fig.
- Frosheiser, F. L.**, A study of the efficiency of the tuber-index and hill-index methods of eliminating virus diseases from seed potatoes. *Wyoming Univ. Publ.* 16. 1951, 123—124 (Abstr.).
- Fukushi, T., and Tanaka, I.**, (Influence of climate on virus diseases of potato.) [potato viruses X+Y] (*Forsch. Pfl.krankh.*), Kyoto, 4. 1951, 8—16.
- Ganguly, A.**, The potato and the virus diseases. *Sci. and Cult.* 16. 1951, 348—352.
- Gibson, K. E., Landis, B. J., and Klostermeyer, E. C.**, Effect of aphid control on the spread of leafroll in potatoes. [*Myzus persicae*, *Macrosiphum solanifolii*] *Amer. Potato J.* 28. 1951, 658—666, 1 fig.
- Grancini, P.**, Andamento della carica Afida e produzione di patate da semina in Italia. [*Myzodes persicae*] *Not. Mal. Piante* nr. 17. 1951, 56—60.
- Guevara C., J.**, Nuevas nitroparafinas clorinadas como insecticidas contra la chicharrita de la papa, *Empoasca fabae* (Harris). *Mexico Ofic. Estud. Espec. Fol. Misc.* 4. 1951, 118—126.
- Hartig, H.**, Blattroller oder Trockenschaden — eine wichtige Saatgutfrage. *Dtsch. Landw.* 2. 1951, 229—231.
- Heilmann, U.**, Die Maskierung von Blattrollvirus in Abhängigkeit von Pflanztermin und Stickstoffdüngung. *Kartoffelbau* 2. 1951, 140—141.
- Hille Ris Lambers, D.**, Het bespuiten van aardappelen tegen bladluizen. *Meded. nederl. alg. Keuringsd. Landbouwwzaden, Aardappelpootgoed* 7. 1951, nr. 10, p. 80—82.
- Hoyman, W. G.**, Indexing potatoes for virus X, including the use of tuber juice. *Phytopathology* 41. 1951, 18.
- Hoyman, W. G.**, A method of indexing potatoes for virus X by use of petiole or tuber juice. *Amer. Potato J.* 28. 1951, 713—721.
- Hutton, E. M., and Peak, J. W.**, Some strains of potato virus X and their spontaneous mutation. *Austr. J. sci. Res., ser. B (Biol. Sci.)*, 4. 1951, 223—230.
- Keener, P. D.**, Aster yellows in potatoes? *Progr. Agric. Arizona* 3. 1951, 6—7.
- Keleny, G. P.**, The detection of necrosis in leaf roll infected potato stems by means of fluorescence microscopy. *J. austr. Inst. agric. Sci.* 17. 1951, 203—206.
- Kelley, R. A.**, Preliminary tests of a systemic insecticide for the control of aphids on potatoes. *Ontario ent. Soc. Ann. Rept.* 81 (1950). 1951, 86—88
- Kirkpatrick, H. C.**, Indicator plants for studies with the leafroll virus of potatoes. *Amer. Potato J.* 25. 1948, 283—290.
- Klapp, E.**, Zusammenhang düngungs- und bodenbedingter Standortunterschiede mit Pfirsichblattlausbesatz und Nachbawert der Kartoffel. *Ztschr. Acker- u. Pfl.bau* 93. 1951, 347—358.
- Klinkowski, M.**, Ein Beitrag zur Frage der Infektionsmöglichkeit des X-Virus der Kartoffel bei Wurzelkontakt. *Ztschr. Pfl.krankh.* 58. 1951, 3—6.
- Klinkowski, M.**, Die Wirkung des X-Virus auf den Ertrag der Kartoffelsorten Ackersegen und Voran. *Ztschr. Pfl.krankh.* 58. 1951, 241—245.
- Klinkowski, M.**, Zur Frage der Ertragsbeeinflussung und der Möglichkeit der »Bodeninfektion« des X-Virus der Kartoffel. *Mitt. Biol. Zentralanst. Berlin-Dahlem* H. 70. 1951, 59—61.
- Köhler, E.**, Der Nachweis von Virusinfektionen bei der Kartoffel. *Kartoffelbau* 2. 1951, 204—205, 2 Abb.
- Köhler, E.**, Die Pfirsichlaus, der ärgste Feind des Pflanzkartoffelbaues. [*Myzodes persicae*] *Kartoffelbau* 2. 1951, 115—117, 4 Abb.
- Köhler, E.**, Zum Nachweis von Kartoffelvirosen im Testpflanzenverfahren. *Nachr.bl. dtsh. Pfl.schutzd.*, Braunschweig, 3. 1951, 25, 2 Abb.
- Köhler, E., und Bode, O.**, Elektronenmikroskopische Untersuchung des Kartoffel-X-Virus. *Naturwissenschaften* 38. 1951, 355, 1 Abb.
- Köhler, E., und Roß, H.**, Das Verhalten deutscher Kartoffelsorten gegenüber verschiedenen Stämmen des X-Virus im Pflöpfversuch. I. Mitteilung. *Züchter* 21. 1951, 179—185.
- Kofoed, A. D.**, (Virus X in potatoes.) *Dansk Landbrug* 70. 1951, 533—534.
- Lal, R.**, Further notes on the life-history of *Empoasca kerri* var. *motti* Pruthi and on the nature and extent of injury to potato foliage. *Indian J. Ent.* 12 (1950). 1951, 31—37.
- Larsen, O. D.**, (Better seed potatoes.) [control of virus diseases] *Norsk Landbrug* 17. 1951, 87—89.
- Lemke, H.**, Hat die Winterlagerung einen Einfluß auf das Vorkommen von Viruskrankheiten? *Kartoffelbau* 2. 1951, 196—198, 2 Abb.
- Livermore, J. R.**, The Canoga potato. *Amer. Potato J.* 28. 1951, 672—674.
- Lunden, A. P.**, (Potato virus diseases. Effect of virus X (*Solanum virus 1*) on yield, dry matter and vitamin C content and elimination of this virus through the production of virusfree seed potatoes and by breeding.) *Forskn., Forsøk Landbrug* 2. 1951, 140—156.
- McKay, R., and Clinch, P. E. M.**, Observations on the inheritance of field resistance to leaf roll of potatoes (*Shamrock* × *Skerry Champion*). [*Myzus persicae*] *R. Dublin Soc. sci. Proc.* 25 (n. ser.). 1951, 225—233, 2 tab.

- McLeod, D. J., Bagnall, R. H., and Rankin, D. F.,** Testing of potatoes for resistance to virus diseases. Proc. canad. phytopath. Soc. nr. 19. 1951, 17—18 (Abstr.).
- Marini, E.,** La frequenza del virus X e del virus dell'accartocciamento nelle patate d'importazione o riprodotte in Italia e in alcune razze italiane. Not. Mal. Piante nr. 17. 1951, 16—34.
- Matz, J.,** Augenstecklingsprüfung bei Pflanzkartoffeln. Bauer 4. 1951, nr. 1, p. 9—11.
- Menzies, J. D.,** Studies on some yellows-type potato viruses. U.S. Bur. Plant Ind., Soils, Agric., Engin. Res. Rept. 219. 1951, 9 p.
- Miyamoto, Y., and Indo, H.,** (Effect of high frequency radio waves upon potato viruses.) Ann. phytopath. Soc. Japan 15. 1951, 127—130.
- Moericke, V.,** Eine Farbfalle zur Kontrolle des Fluges von Blattläusen, insbesondere der Pfirsichblattlaus, *Myzodes persicae* (Sulz.). Nachr.bl. dtsh. Pflschutzd., Braunschweig, 3. 1951, 23—24, 2 Abb.
- Mühle, E., und Schuster, G.,** Der Nachweis von Kartoffelviren, ein wichtiges Problem für die Gesunderhaltung unserer Kartoffelbestände. Dtsch. Landw. 2. 1951, 127—130.
- Münster, J.,** Considérations sur l'évolution des pucerons vecteurs des maladies à virus de la pomme de terre. Résultats des dénombrements de 1950 comparés à ceux des années précédentes. Landw. Jahrb. Schweiz 65. 1951, 443—460, 7 fig.
- Murayama, D., Yamada, M., and Matsumiya, H.,** Detection of X virus in apparently healthy potatoes. Agric. Hortic., Tokyo, 26. 1951, 269.
- Murayama, D., Yamada, M., and Matsumiya, H.,** Immunological studies on the potato virus diseases. I. Physical and chemical resistance of X and Y virus antigens. II. Detection of X virus in the apparently healthy potatoes. (Forsch. Pfl.krankh.), Kyoto, 4. 1951, 71—80; Ann. phytopath. Soc. Japan 15. 1951, nr. 2, p. 55—60.
- Norris, D. O.,** Spotted wilt of potato. I. The field disease and studies of the causal virus. II. Tuber transmission and vector studies of the field disease. Austr. J. agric. Res. 2. 1951, 221—242, 243—260, 5 fig., 6 tab.
- Nowak, W.,** Die Kartoffelkellerlaus und andere an Kartoffelknollen lebende Blattläuse. Pflanzenschutz, München, 3. 1951, 13—15, 10 Abb.
- Nowak, W.,** Das Vorkommen der Grünen Pfirsichblattlaus (*Myzodes persicae* Sulzer) als Luftplankton in verschiedener Höhe über dem Erdboden. Ztschr. Pfl.bau u. -schutz 2 (46). 1951, 123—130, 5 Abb.
- Nowak, W.,** Zur Morphologie der Männchen der Grünen Pfirsichblattlaus (*Myzodes persicae* Sulzer). Ztschr. Pfl.bau u. -schutz 2 (46). 1951, 83—84, 2 Abb.
- Oshima, N.,** (Host range of potato virus Y.) Ann. phytopath. Soc. Japan 15. 1951, 121—126, 3 fig.
- Panjan, M.,** (Potato virus diseases in P. R. Croatia.) Plant Prot., Beograd, 1. 1951, nr. 3, p. 49—55.
- Rich, A. E.,** Studies on phloem-necrosis of Irish potato tubers in Washington. Washington agric. Exp. Stat. Bull. nr. 528. 1951, 49 p., 4 fig., 16 tab.
- Richardson, L. T., and Racicot, H. N.,** The comparative efficiency of tuber indexing and tuber unit planting in the elimination of virus diseases from seed potatoes. Amer. Potato J. 28. 1951, 765—775, 2 fig.
- Rönnebeck, W.,** Gefährden Stoppelrüben den Pflanzkartoffelbau? [*Myzodes persicae*] Kartoffelbau 2. 1951, 117—119.
- Roland, G.,** Que penser de la recherche du virus X par voie sérologique dans les germes de pommes de terre? Parasitica 7. 1951, 148—150.
- Rozendaal, A.,** De betekenis van de serologie voor de pootgoedproductie. Pootaardappelhandel 4. 1951, 306—308.
- Rümker, R. v.,** Literaturbericht über Arbeiten zum Kartoffelabbau 1939—1949. Höfchen-Briefe, Leverkusen, 4. 1951, 34—83.
- Schultz, E. S.,** Intervarinal mosaic of potato. Phytopathology 41. 1951, 564—565.
- Simpson, G. W., Shands, W. A., Cobb, R. M., and Lombard, P. M.,** Control of aphids and leafroll spread. Maine agric. Exp. Stat. Bull. 491. 1951, 50—51.
- Sprau, F.,** Über das Auftreten einer neuen Viruskrankheit — Zwergstrauchvirose — an Kartoffeln. Pflanzenschutz, München, 3. 1951, 125—126, 1 Abb.
- Stapp, C., und Bartels, R.,** Der serologische Nachweis des X-Virus in Augenstecklingen. Nachr.bl. dtsh. Pflschutzd., Braunschweig, 3. 1951, 117—118.
- Stapp, C., und Bartels, R.,** Ein weiterer Beitrag zum serologischen Nachweis des X-Virus in Kartoffeldunkelkeimen. (Vorläufige Mitteilung.) Nachr.bl. dtsh. Pflschutzd., Braunschweig, 3. 1951, 145—147.
- Steineck, O.,** Der hydroponische Stecklingstest. Ergebnisse bisheriger Erfahrungen und neuerer Untersuchungen. [Virus] Bodenkultur, Wien, 5. 1951, 161—173, 4 Abb.
- Stendel, W.,** Über die Bedeutung einiger winterfester Gemüsesamenkulturen als Winterwirte der grünen Pfirsichblattlaus (*Myzodes persicae* Sulz.) in der Kölner Bucht. (Vorl. Mitt.) Nachr.bl. dtsh. Pflschutzd., Braunschweig, 3. 1951, 70—74, 6 Abb.
- Swiezynski, K.,** A simplified serological test for the determination of virus X in potato plants. Acta Soc. Bot. Polon. 20 (1950). 1951, 513—521.
- Thung, T. H.,** Internationale conferentie over aardappelvirusziekten, Wageningen-Lisse 13—16 Augustus 1951. (International conference on potato virus diseases at Wageningen-Lisse 13—16 August, 1951.) Maandbl. Landbouwworl.dienst 8. 1951, 421—430, 2 fig.

- Völk, J.**, Beobachtungen über das Auftreten virus-übertragender Blattläuse an Kartoffelpflanzen in Abhängigkeit von der Düngung. Mitt. Biol. Zentralanst. Berlin-Dahlem H. 70. 1951, 69—72.
- Watson, D. J.**, Botany Department. [potato leaf roll virus] Rothamsted Exp. Stat. Rept. 1950. 1951, 55—59.
- Watson, R. D.**, and **Randall, T. E.**, Curly-top on wild seedling potatoes. Plant Dis. Repr.: 35. 1951, 231—232.
- Webb, R. E.**, **Larson, R. H.**, and **Walker, J. C.**, Naturally occurring strains of the potato leaf roll virus. Amer. Potato J. 28. 1951, 667—671, 2 fig.
- Wiersema, H. T.**, Het kweken op ziekteresistentie bij aardappelen in Amerika. Meded. nederl. alg. Keuringsd. (NAK.) 7 (1950). 1951, 72—73.
- Wilson, J. H.**, The expression of symptoms of leaf roll virus in potatoes. Ann. appl. Biol. 38. 1951, 546—547.
- Wright, N. S.**, Witches' broom on potato in British Columbia. Proc. canad. phytopath. Soc. nr. 19. 1951, 20 (Abstr.).
- Ziegler, O.**, Gefährden Stoppelrüben den Pflanzkartoffelbau? [Myzodes persicae] Kartoffelbau 2. 1951, 251—252.
- Die Blattlausauszählungen auf Kartoffeläckern in den Jahren 1949 und 1950. Ostschweiz. Landwirt 97. 1951, 1234—1239.
- Dyrkningsforsøg med tidlige spisekartofler.** 1945—1948. [virus] Tidsskr. Planteavl, København, 54. 1951, 161—163 (Stat. Forsøgsvirks. Plantekultur Meddel. 445).
- Nitrate nitrogen checks leaf roll of potatoes in Florida experiment.** Crops and Soils 3. 1951, nr. 9, p. 34.
- Potato virus diseases.** Great Brit. Minist. Agric., Fish. Adv. Leaflet 139. 1951, 8 p.
- b. Rüben — Beets — Betteraves**
- Allgemeiner Teil**
General part — Partie générale
- Achard, M.**, Action de l'Institut technique de la Betterave sur la défense contre les ennemis et les maladies de la betterave industrielle. Déf. Vég., Paris, nr. 4. 1951, 24—28.
- Achard, M.**, Lutte contre les ennemis de la betterave. Agriculture, Paris, 15. 1951, 153, 155—157.
- Bonne, K.**, Zuckerverluste bei der Zuckerrübenenernte. Bauernbl. Schlesw.-Holst. 5./101. 1951, 1119.
- Domínguez García-Tejero, F.**, Distribución en España de las plagas y enfermedades de la remolacha. Bol. Pat. veg. Ent. agric., Madrid, 18 (1950). 1951, 181—204, 21 fig., 1 tab. geogr.
- Donà delle Rose, A.**, Due eccezionali infestazioni ai bietolai nella decorsa campagna. Humus 7. 1951, nr. 2, p. 14—17.
- Ernoult, L.**, Les ennemis et maladies de la betterave en Belgique en 1951. Publ. Inst. belge Amélior. Betterave 19. 1951, 273—291.
- Geering, J.**, Verhütung von Herz- und Trockenfäule-Schäden bei Zucker- und Runkelrüben. [Bormangel] Schweiz. landw. Ztschr. (Beil. »Die Grüne«) 79. 1951, 728—731, 3 Abb.
- Ghidini, G. M.**, L'impiego dell'elicottero per la difesa della bieticoltura italiana. Ind. Sacc. Ital. 44. 1951, 275—280.
- Kepler, R. A.**, and **Leach, L. D.**, A continuous spray-type seed treater. Proc. amer. Soc. Sugar-Beet Techn. 1950. ?1951, 54—60, 2 fig.
- Kloor, L. A.**, Experiences in the practical use of a continuous spray treater. Proc. amer. Soc. Sugar-Beet Techn. 1950. ?1951, 61—68, 3 fig.
- Lambdin, R. S.**, Three years' experience with batch spray treating of beet seed. Proc. amer. Soc. Sugar-Beet Techn. 1950. ?1951, 69—71, 2 fig.
- Maag, R.**, Krankheiten und Schädlinge der Zuckerrübe. Dielsdorf-Zürich 1951?, 4 S., 7 Abb.
- Miège, É.**, Le traitement des semences de betteraves. Inform. marocaine 529. 1951, p. 1, 3.
- Mischling, F.**, Zuckerrübenkrankheiten. Bauer (Österr.) 4. 1951, Nr. 35, S. 3—5.
- Stewart, D.**, Sugar-beet $\times$ Beta procumbens, the F_1 and backcross generations. [disease resistance] Proc. amer. Soc. Sugar-Beet Techn. 1950. ?1951, 176—179, 4 fig.
- Tirelli, M.**, (Control of sugar-beet parasites in Latina.) [use of helicopter] Riv. Fitosanit. (ital.) 2. 1951, nr. 5, p. 19—23.
- Vishniakov, V.**, (Control of sugar-beet pests and diseases.) Kolkhoz. Proizvodstvo 11. 1951, nr. 5, p. 38—39.
- Vogelsang, P.**, New techniques in seed pelleting. Proc. amer. Soc. Sugar-Beet Techn. 1950. ?1951, 76—78.
- Wahlén, B.**, Vägsalt och sockerbeter — ett apropå. Växtskyddsnotiser, Stockholm, 15. 1951, 40—42.
- Zimmermann, Bekämpfung der Rübenkrankheiten und -schädlinge.** Land. Wochenbl. Kurh. u. Waldeck 166. 1951, 713.
- Les ennemis et les maladies de la betterave.** Cahiers Ing. agron. 6. 1951, nr. 4, p. 38—41.
- Voorjaarsziekten en beschadigingen in bieten en hun bestrijding.** Suikerbiet 4. 1951, 117—123.

Pflanzliche Feinde

Vegetal parasites — Parasites végétaux

- Baldoni, R., e Canova, A.**, Un metodo per il rapido riconoscimento dei semi di barbabietola infettati da *Phoma betae* (Oud.) Frank. Ann. sperim. Agr., Roma (n. ser.), 29. 8. 1951, 8 p., 3 fig.
- Baptista, C. R.**, („Mildew“ of sugar-beets (*Cercospora beticola* Sacc.)) Azores Comis. Regul. Cereais Bol. 7. 1951, nr. 13, p. 102—108.
- Bockstahler, H. W., and Hogaboam, G. J.**, Black root resistant sugar-beet varieties. Amer. Soc. Sugar-Beet Technol. East. U.S., Canada Proc. Region. Meetg. 6. 1951, 68—71.
- Bockstahler, H. W., Hogaboam, G. J., and Schneider, C. L.**, Further studies on the inheritance of black root resistance in sugar-beets. Proc. amer. Soc. Sugar-Beet Technol. 1950. ?1951, 104—107.
- Brasfield, T. W., and Tate, H. D.**, Phygon seed protectant for sugar-beets. Proc. amer. Soc. Sugar-Beet Technol. 1950. ?1951, 72—75.
- Brewbaker, H. E., Bush, H. L., and Wood, R. R.**, A quarter century of progress in sugar beet improvement by the Great Western Sugar Company. [*Cercospora beticola*] Proc. amer. Soc. Sugar-Beet Technol. 1950. ?1951, 202—207, 1 fig.
- Bronner, G.**, Wann ist die Bekämpfung der Blattkrankheiten rentabel? [*Cercospora beticola*] Zucker 4. 1951, 357—360, 3 Abb.
- Burgesser, F. W.**, The use of coated seed in modern agriculture. Proc. amer. Soc. Sugar-Beet Technol. 1950. ?1951, 79—84.
- Buzacott, J. H.**, Note on varietal susceptibility to yellow spot (*Cercospora kopkei*). Queensland Bur. Sugar Exp. Stat. Cane Growers Quart. Bull. 15. 1951, 23—24.
- Bystrowa, M. A.**, (Erforschung des Wurzelbrandes an Rübenkeimlingen im Gebiete Leningrad.) (Arb. allruss. Inst. Pfl.schutz, Moskau-Leningrad), Liefg. 3. 1951, 22—37, 4 Abb.
- Coons, G. H., Stewart, D., Bockstahler, H. W., Deming, G. W., Gaskill, J. O., Lill, J. G., and Schneider, C. L.**, Report of the 1950 tests of U.S. 216 MS × 226, U.S. 225 MS × 226, and other varieties from sugar-beet leaf spot resistance breeding of the U.S. Department of Agriculture. Amer. Soc. Sugar-Beet Technol. East. U.S., Canada Proc. Region. Meetg. 6. 1951, 72—78.
- Coons, G. H., Stewart, D., Bockstahler, H. W., Deming, G. W., Gaskill, J. O., Lill, J. G., and Schneider, C. L.**, Report on 1949 tests of U.S. 216 × 225 and other varieties from sugar-beet leaf spot resistance breeding investigations of the U.S. Department of Agriculture. [*Cercospora beticola*] Proc. amer. Soc. Sugar-Beet Technol. 1950. ?1951, 209—217, 1 fig.
- Donà delle Rose, A.**, (Two exceptional infestations of beets during the past season (*Cuscuta* and *Chaetocnema tibialis*.) Humus (ital.) 7. 1951, nr. 2, p. 14—17.
- Doxlator, C. W., Downie, A. R., Swink, J. F., Ogden, D., Bowman, R. L., and Tanner, J. C.**, 1948—1949 progress in breeding sugar-beets for resistance to *Aphanomyces* root rot. Proc. amer. Soc. Sugar-Beet Technol. 1950. ?1951, 111—115.
- Gaßner, G.**, Zur Frage der Übertragung von *Cercospora beticola* durch das Rübensaatgut. Angew. Bot. 26. 1951, 55—59, 3 Abb.
- Girginkoç, H. R.**, Untersuchungen über die »Zwarte Houtvatenziekte« der Futter- und Zuckerrübe, verursacht durch *Pythium irregulare* Buisman. Meded. Landbouwhogeschool, Wageningen, 51. 1951, 1—61.
- Goidanich, G.**, Il marciume nero della barbabietola. [Macrophomina phaseolina] Inform. Fitopat., Bologna, nr. 6. 1951, 4—6, 2 fig.
- Hildebrand, A. A., and McKeen, W. E.**, An evaluation of row treatment of soil with fungicides for control of blackroot of sugar-beet seedlings in 1950. Amer. Soc. Sugar-Beet Technol. East. U.S., Canada Proc. Region. Meetg. 6. 1951, 139—142.
- Hildebrand, A. A., and McKeen, W. E.**, Field results in 1949 following row treatment of soil with tetramethyl thiram disulphide for control of blackroot of sugar-beet seedlings. [*Aphanomyces cochlioides*] Proc. amer. Soc. Sugar-Beet Technol. 1950. ?1951, 515—518.
- Hildebrand, A. A., McKeen, W. E., and Koch, L. W.**, Continued greenhouse experiments in row treatment of soil for control of blackroot of sugar-beet seedlings. [*Aphanomyces cochlioides*] Proc. amer. Soc. Sugar-Beet Technol. 1950. ?1951, 509—514.
- Hughes, C. G.**, Yellow spot disease. Queensland Bur. Sugar Exp. Stat. Cane Growers' Quart. Bull. 14. 1951, 103—105.
- Hull, R.**, Spoilage of sugar-beet. Brit. Sugar-Beet Rev. 20. 1951, nr. 1, p. 25—29, 5 fig.
- Jorritsma, J.**, Enkele actuele vraagstukken in de Suikerbietenenteel. (Some topical problems in sugar-beet cultivation.) [*Phoma betae*, *Pythium* spp.] Landbouwkdg. Tijdschr., Wageningen, 63. 1951, 594—602.
- Kaiser, W.**, Blattfleckenkrankheit — eine Gefahr für den Rübenbau. [*Cercospora*] Landw. Wochenbl. Hessen-Nassau F. 26. 1951, 1 S.
- Lawlor, N., and Doxtator, C. W.**, Breeding for resistance to root rot caused by *Sclerotium rolfsii*. Proc. amer. Soc. Sugar-Beet Technol. 1950. ?1951, 108—110.
- Lüdecke, H.**, *Cercospora* im Vormarsch? Dtsch. landw. Presse 74. 1951, 272—273, 1 Abb.
- Pasinetti, L.**, (Observations on sugar-beet canker (*Sclerotium rolfsii*.) Ann. Univ. Fac. Sci. Agric., Palermo, 1 (1950). 1951, 213—220.

- Pltho, O. v.**, Untersuchungen zur Morphologie und Physiologie der *Cercospora beticola*. Zucker 4. 1951, 461—467, 6 Abb.
- Rademacher, B.**, Blattfleckenkrankheit der Rüben. Entstehung und Bekämpfung. [*Cercospora beticola*] Württ. Wochenbl. Landw. 118. 1951, 195—196, 1 Abb.
- Rademacher, B.**, Was wissen wir von der Blattfleckenkrankheit der Rübe (*Cercospora beticola* Sacc.)? Neue Mitt. Landw., Hannover, 6. 1951, 395—396, 1 Abb., 418—419.
- Shukowa, K. P.**, (Der Einfluß von Säuregrad und Feuchtigkeit des Bodens auf die Anfälligkeit der Keimlinge der Zuckerrübe gegenüber den Erregern des Wurzelbrandes (*Pythium debaryanum* H. und *Phoma betae* Fr.)) (Ber. Allun. landw. Lenin-Akad.) 16. 1951, nr. 5, p. 34—38.
- Soeldner, H.**, Kampf der Rüben-Blattfleckenkrankheit! Landw. Wochenbl. München 141. 1951, 599.
- Wagner, H.**, Auftreten und Bekämpfung des Rübenmehltaues. Pflanzenschutz, München, 3. 1951, 104—105, 2 Abb.
- Warmbrunn, K.**, Verhütet die Ausbreitung der Blattfleckenkrankheit der Rüben! (Mitteilung des Pflanzenschutzamtes Stuttgart.) Württ. Wochenbl. Landw. 118. 1951, 865.
- Zhukova, K. P.**, (Effect of soil acidity and moisture on infestation of sugar-beet sprouts with root-eating organisms (*Pythium debaryanum* and *Phoma betae*)). Vsesoiuzn. Akad. Sel'skhoz. Nauk Dokl. 16. 1951, nr. 5, p. 34—38.
- Cercosporiose de la betterave.** Rev. rom. Agric., Vitic., Arboric. 7. 1951, 55.
- Ist die Bekämpfung der Cercospora im Rübenbau wirtschaftlich?** Gesunde Pflanzen 3. 1951, 155—156. (Aus »Der Schweizer Bauer« v. 16. 3. 1951.)
- Ontsmetting van bietenzaad tegen bietenbrand.** (Treatment of beet seeds against beet root rot.) Ber. plantenziektenkdg. Dienst, Wageningen, 933. 1951, 1 p.
- Unkräuter**
Weeds — Mauvaises herbes
- Aguzzi, G.**, (Weeding sugar-beets.) Ind. Sac. Ital. 44. 1951, 147—153.
- Bordeleau, R., and Coiteux, F.**, Progress report on the control of weeds in sugar-beets. Canada nat. Weed Comm., east. Sect., Proc. 4. 1951, 24—29.
- Bordeleau, R., et Coiteux, F.**, Résultats d'expériences sur l'enraiment des mauvaises herbes dans les cultures de betteraves sucrières. Rev. Oka 25. 1951, 27—31.
- Cadogan, J.**, It affects your yield; weed control and early and careful singling. Beet Grower 5. 1951, 53—56.
- Grigsby, B. H.**, The control of weeds in truck crops, potatoes, sugar-beets, small fruits, and ornamentals. Sugar beets. North Centr. Weed Control Conf. Res. Rept. 7 (1950). 1951?, 133—139.
- Grigsby, B. H.**, Weed control in the sugar-beet crop. Amer. Soc. Sugar-Beet Technol. East. U.S., Canada Proc. Region. Meetg. 6. 1951, 146—148.
- Kaudy, J. C., Berger, K. C., and Truog, E.**, Sodium as a fertilizer and borax for weed control in sugar-beet culture. Amer. Soc. Sugar-Beet Technol. 6th Reg. Meetg. — Sugar 46. 1951, 46.
- Roche, W.**, The importance of weed control in sugar-beet production. Beet Grower 5. 1951, 98—100.
- Walcott, A.**, More sugar-beets through grass control with TCA. Centr. Exch. Messenger 6. 1951, nr. 3, p. 12—13.
- Willard, C. J.**, Chemical weed control in sugar-beets and other crops. Amer. Soc. Sugar Beet Technol. east. U.S., Canada Proc. Region. Meetg. 6. 1951, 143—145.
- Tierische Feinde**
Animal parasites — Parasites animaux
- Armitage, H. M.**, State Department of Agriculture acts in leafhopper (*Circulifer tenellus*) emergency. Spreckels Sugar-Beet Bull. 15. 1951, 4—5.
- Bonnemaison, L., Couturier, A., Giban, J., et Régulier, J.**, Les animaux nuisibles à la betterave. Inst. Techn. franç. Betterave Ind. nr. 8. 1951, 66 p.
- Dallimore, C. E., and Thorne, G.**, Infection of sugar-beets by *Ditylenchus destructor thorne*, the potato root nematode. Phytopathology 41. 1951, 872—874, 1 fig.
- Drachovská-Šímanová, M.**, Šküdci cukrovky s hlediska entomologie. (Insect-parasites on sugar-beet in view of entomology.) Ent. Listy (Folia ent.), Brno, 14. 1951, 106—119, 3 fig., 1 tab., 1 tab. geogr.
- Dumas, P.**, Compte rendu de la campagne de lutte entreprise en 1950 contre les ennemis de la betterave industrielle dans la région du Sud-Est. Phytoma, Paris, 4. 1951, nr. 27—28, p. 11—26, 6 fig., 2 tab. geogr.
- Eichler, Wd.**, Der Esparsettenrüßler (*Tanymericus palliatus*) als Rübenschädling. Nachr.bl. dtsh. Pfl.-schutzd., Berlin, NF. 5. 1951, 12—14, 3 Abb.
- Eichler, Wd.**, Eulenraupen als Rübenschädlinge. Nachr.bl. dtsh. Pfl.-schutzd., Berlin, NF. 5. 1951, 115—119.
- Eichler, Wd.**, Fragen der Derbrüßler-Bekämpfung. [*Bothynoderes punctiventris*] Nachr.bl. dtsh. Pfl.-schutzd., Berlin, NF. 5. 1951, 35—37.

- Eichler, Wd.**, Freilandmittelpfungen beim Rüben-derbrüßler. [Bothynoderes punctiventris] Anz. Schäd.kunde 24. 1951, 39—40.
- Eichler, Wd.**, Die Klee-Eule (*Scotogramma trifolii*) als Rüben- und Zwiebel-schädling. Nachr.bl. dtsh. Pfl.schutzd., Berlin, NF. 5. 1951, 72—74, 1 Abb.
- Eichler, Wd.**, Kontaktinsektizid-Beurteilungen nach Freilandanwendung gegen den Rübenderbrüßler. [Bothynoderes punctiventris] Pharmazie 6. 1951, 174—175.
- Eichler, Wd.**, Rübenfeind Derbrüßler. Ein Buch vom Leben und Treiben des *Bothynoderes punctiventris*. Akad. Verl.ges. Geest & Portig, K. G., Leipzig, u. A. Ziemsen-Verlag, Wittenberg (Lutherstadt) 1951. 31 S., 25 Abb.
- Eichler, Wd.**, Rüsselkäfer als Rübenschädlinge. Nachr.-bl. dtsh. Pfl.schutzd., Berlin, NF. 5. 1951, 48—52.
- Eichler, Wd.**, und **Schrödter, H.**, Witterungsfaktoren als Urheber der Massenvermehrung des Rübenderbrüßlers (*Bothynoderes punctiventris*) 1947—1949 in Mitteldeutschland. Ztschr. angew. Ent. 32. 1951, 567—575, 2 Abb.
- Ernould, L.**, Traitements de la graine de betterave contre les larves de taupin. Publ. Inst. belge Amélior. Betterave 19. 1951, 189—204.
- Hemer, M.**, Drahtwurmschäden bei Getreide und Rüben. Landw. Wochenbl. Westf. u. Lippe 108 A. 1951, 586.
- Heyrovský, L.**, Naše druhy rodu *Dorcadion* Dalm. jako škůdci řepy cukrové. (Col., Ceramb.) (Les espèces du genre *Dorcadion* Dalm. du notre pays destructeurs de la betterave.) Ent. Listy (Folia ent.), Brno, 13 (1950). 1951, 167—168.
- Hijner, J. A.**, De gevoeligheid van wilde bieten voor het bietenaalte (Heterodera schachtii). (The susceptibility of wild beets for *Heterodera schachtii*.) Meded. Inst. rat. Suikerprod., Bergen op Zoom, nr. 1. 1951, 1—14.
- Hubert, K.**, Neuere Erfahrungen aus der praktischen Bekämpfung der Rübenblattwanze im Land Sachsen-Anhalt. Nachr.bl. dtsh. Pfl.schutzd., Berlin, NF. 5. 1951, 61—70.
- Hubert, K.**, Der neueste Stand der Rübenblattwanzen-bekämpfung im Land Sachsen-Anhalt. Dtsch. Landw. 2. 1951, 181—183.
- Jones, F. G. W.**, Further observations on the distribution of the beet eelworm. J. Helminthol. 25. 1951, 223—230.
- Jones, F. G. W.**, The sugar-beet eelworm order 1943. Ann. appl. Biol. 38. 1951, 535—537.
- Kendrick, J.**, Wireworm (*Limonijs californicus*) protection included in Spreckels processed seed. Spreckels Sugar-Beet Bull. 15. 1951, 3.
- Lawson, F. R.**, **Chamberlin, J. C.**, and **York, G. T.**, Dis-semination of the beet leafhopper (*Circulifer tenellus*) in California. U.S. Dept. Agric. Techn. Bull. 1030. 1951, 59 p.
- Müller, Der Rübenderbrüßler und seine Bekämpfung.** [Bothynoderes punctiventris] Pfl.schutzamt Sachsen-Anhalt Merkbl. Nr. 58. 1951, 4. Aufl., 5 S., 5 Abb.
- Raski, D. J.**, **Allen, M. W.**, and **McCallum, R. D.**, Sugar-beet nematode; chemical control trials test two methods of applying soil fumigants. Calif. Agric. (Calif. Stat.) 5. 1951, nr. 2, p. 6, 15.
- Reimann, W.**, Neue Bekämpfungsmethode gegen Draht-würmer bei Getreide und Rüben. Rhein. Bauernztg. 5. 1951, 64.
- Reynolds, H. W.**, The occurrence of the sugar-beet nematode in Arizona. [Heterodera schachtii Schmidt] Plant Dis. Repr. 35. 1951, 173.
- Roberts, J.**, The mangel fly (*Pegomyia hyoscyami* betae). Some suggestions for controlling a pest. Beet Grower 5. 1951, 50, 52.
- Roche, W.**, Modern methods for the control of insect pests. Beet Grower 5. 1951, 137—140.
- Schaerffenberg, B.**, und **Tendl, H.**, Untersuchungen über das Verhalten der Enchytraeiden gegenüber dem Zuckerrüben-nematoden *Heterodera schachtii* (Schm.). Ztschr. angew. Ent. 32. 1951, 476—488, 18 Abb.
- Scheibe, K.**, Die Rübenblattwanze bedroht den Rüben-anbau Westdeutschlands. Gesunde Pflanzen 3. 1951, 119—122, 1 Karte.
- Schlösser, L. A.**, Epidemisches Auftreten des Moosknopfkäfers (*Atomaria linearis*) im niedersächsischen Rübenanbaugbiet. Zucker 4. 1951, 292.
- Schrödter, H.**, Die Niederschlagsverhältnisse in Sachsen-Anhalt 1947/48 als Ursache der kreisweisen Befalls-unterschiede beim Massenaufreten des Rüben-Derbrüßlers 1948. [Bothynoderes punctiventris] Angew. Meteorol. 1. 1951, 60—62, 2 Abb.
- Serdunich, M.**, (Biological method for controlling pests of agricultural crops on (sugar-) beet state farms.) [Trichogramma] Sakh. Promysh. (russ.) 25. 1951, nr. 12, p. 30—31.
- Steffens**, Starkes Auftreten der Rübenfliege. Rhein. Bauernztg. 5. 1951, 230.
- Steiner, P.**, Die synthetischen Kontaktinsektizide und ihre Bedeutung für die Schädlingsbekämpfung im Zuckerrübenbau. Zucker 4. 1951, 2—6.
- Strand, A. B.**, Nematodes cause serious losses to beet crop in Tennessee. Down to Earth 7. 1951, nr. 3, p. 8—9.
- Taubitz, A.**, Die Bekämpfung der Rübenwanzen-Kräuselkrankheit in Niedersachsen. [Pisema quadrata Fieb.] Zucker 4. 1951, 210—211, 1 Landkarte.

- Taubitz, A.**, Erfahrungen mit der Bekämpfung der Rübenwanzen-Kräuselkrankheit in Niedersachsen. [*Piesma quadrata*] Ztschr. Zuckerind. 1. 1951, 85—86.
- Thénard, J., et De Mallmann, R. J.**, La protection des semences segmentées de betteraves contre les larves de taupins au moyen de traitements insecticides. Compt. rend. Acad. Agric. France 37. 1951, 602—605.
- Togliani, F.**, Anguillulosi delle barbabietole. [*Heterodera marioni*, *H. schachtii*] Inform. fitopat., Bologna, Pubbl. quindic., Gr. II, nr. 17—18. 1951, 13—15, 2 fig.
- Trentin, A.**, Osservazioni sul trattamento antesemina dei glomeruli di bietola da zucchero con prodotti insetticidi polverulenti a base di esaclorocicloesano. (Observations on the pre-sowing treatment of the sugar-beet seeds with insecticidal dusts containing hexachlorocyclohexane.) Ann. Sperim. agr., Roma, n. ser. 5. 1951, 1223—1240, 1 fig.
- Watzl, O.**, Rübenschädliche Käfer und Raupen im Sommer und Herbst. Pflanzenarzt, Wien, 4. 1951, Nr. 7, S. 1—2.
- Beet leafhopper** (*Circulifer tenellus*) conditions in Utah, western Colorado and southern Nevada, 1951. U.S. Bur. Ent., Plant Quar., Logan (Utah), 1951, 1 p.
- Bekämpft die Rübennematoden!** Landw. Ztschr. Nord-Rheinprov. 118. 1951, 265.
- Virus**
- Behr**, Die Vergilbungskrankheit im Rüben- und Rübensamenbau. Neue Mitt. Landw., Hannover, 6. 1951, 525—526, 4 Abb.
- Coons, G. H., and Kotila, J. E.**, Virus yellows of sugar-beets and tests for its occurrence in the United States. Phytopathology 41. 1951, 559.
- Coons, G. H., Kotila, J. E., and Stewart, D.**, Savoy, a virus disease of beet transmitted by *Piesma cinerea*. Proc. amer. Soc. Sugar-Beet Technol. 1950. ?1951, 500—501, 1 fig.
- Ernould, L.**, La lutte contre la jaunisse par l'anhydride bis-bis diméthyl amino phosphorique. Résultats d'essais préliminaires sur un champ de betterave sucrière en 1950. Publ. Inst. belge Amélior. Betterave 19. 1951, 179—189.
- Ernould, L.**, Les possibilités de lutte contre la jaunisse de la betterave. Publ. Inst. belge Amélior. Betterave 19. 1951, 71—138.
- Gendron, Y., et Limasset, P.**, Étude comparée des réactions sérologiques fournies par des jus de betteraves saines et infectées par le virus de la jaunisse (*Corium betae* Holmes). Ann. Inst. Pasteur 80. 1951, 215—217.
- Giddings, N. J.**, Combination and separation of curly-top virus strains. Proc. amer. Soc. Sugar-Beet Technol. 1950. ?1951, 665—669, 2 fig.
- Halma, M.**, (Yellows disease.) Plattelands-Post 7. 1951, nr. 10, p. 6.
- Hartsuijker, K.**, (Virus yellows of the sugar-beet I. Summary of the investigations during the years 1940—1948.) Meded. Inst. rat. Suikerprod., Bergen op Zoom, 21. 1951, nr. 2, 275 p, 13 fig.
- Heiling, A.**, Richtlinien für den Rübensamenanbau in den von der Vergilbungskrankheit bedrohten Gebieten. Landw. Wochenbl. Westf. u. Lippe 108 A. 1951, 241.
- Hijner, J. A.**, Report on virus yellows in Europe. 14th Congr. Inst. int. Rech. Better. Rept. 1951, Append. F 49—55.
- Hull, R.**, Can virus yellows be avoided in 1951? Brit. Sugar-Beet Rev. 19. 1951, 105—109.
- Hull, R.**, Report on virus yellows in Europe. 14th Congr. Inst. int. Rech. Better. Rept. 1951, 1—29, 42—48.
- Jul Reyes, G.**, Marchitez de la remolacha. [virus] Simiente 21. 1951, 31—40.
- Klinkowski, M., and Schmelzer, K.**, Das Gelbnetz-Virus der Betarübe, eine bisher in Deutschland noch nicht beobachtete Viruskrankheit. Nachr.bl. dtsh. Pfl.-schutzd., Berlin, NF. 5. 1951, 21—24, 4 Abb.
- Lackey, Ch. F.**, Histological studies of injury produced by four strains of curly-top virus on susceptible and resistant sugar-beets. Phytopathology 41. 1951, 940—941.
- Leyon, H.**, Sugar-beet yellows virus. Some electron microscopical observations. Ark. Kemi, Stockholm, 3. 1951, 105—109.
- Nikolić, V.**, (Sugar-beet yellows. Preliminary note.) Plant Prot., Beograd, nr. 8. 1951, 28—32, 4 tab.
- Nixon, H. L., and Watson, M. A.**, Beet yellows virus. Nature, London, 168. 1951, 523—524.
- Ponomarev, S., and Serdunich, S.**, (Control of the sugar-beet aphid (*Aphis fabae*.) Sakh. Promysh. 25. 1951, nr. 4, p. 42—43.
- Rasmussen, L.**, (Experiments with yellows of beets.) Tidsskr. Frøavl 20. 1951, 138—143.
- Rietberg, H.**, (Virus yellows of the sugar-beet. II. Additional remarks to the report on the years 1940—1948.) Meded. Inst. rat. Suikerprod., Bergen op Zoom, 21. 1951, 277—291.
- Roland, G.**, Contribution à l'étude de l'utilisation des esters thiophosphoriques pour limiter la propagation du virus de la jaunisse de la betterave (*Beta virus 4*, Roland & Quanjer) par les pucerons. [Myzus persicae] Parasitica 7. 1951, 125—128.

- Schlösser, L.-A.**, Infektionszeitpunkt und Ertragsminderung bei gelbsuchtinfizierten Beta-Rüben. Nachr.bl. dtsh. Pfl.schutzd., Braunschweig, 3. 1951, 54—56.
- Schlösser, L.-A.**, Viröse Rübenelbsucht an Samenrügen. I. Die Bedeutung des Infektionszeitpunktes für Samenreife und Samengüte. Phytopath. Ztschr. 18. 1951, 114—120.
- Schrader**, Die Vergilbungskrankheit der Rüben. Vorbeugungsmaßnahmen schon jetzt. Hannov. land- u. forstw. Ztg. 104. 1951, 990.
- Smith, K. M.**, A latent virus in sugar-beets and mangolds. Nature, London, 167. 1951, 1061, 1 fig.
- Stedtel, W.**, Untersuchungen zur Frage des Anbaues virusfreier Samenrügen im Rheinland. Mitt. Biol. Zentralanst. Berlin-Dahlem H. 70. 1951, 72—74.
- Stedtel, W.**, Verbreitung und Epidemiologie der Vergilbungskrankheit und heutiger Stand der Bekämpfung. Zucker 4. 1951, 181—184.
- Stedtel, W.**, Viröse Rübenvergilbung. Zucker 4. 1951, 181—184.
- Van den Bruel, W. E., Bernard, J., et Bollaerts, D.**, Note préliminaire à propos de la lutte contre les pucerons sur betterave. [Macrosiphum] Parasitica 7. 1951, 6—13.
- Watson, M. A., Hull, R., Blencowe, J. W., and Hamlyn, B. M. G.**, The spread of beet yellows and beet mosaic viruses in the sugar-beet root crop. I. Field observations on the virus diseases of sugar-beet and their vectors Myzus persicae Sulz. and Aphis fabae Koch. Ann. appl. Biol. 38. 1951, 743—764, 2 fig., 1 tab. geogr.
- Wenzl, H.**, Auftreten der Vergilbungskrankheit der Rübe in Österreich. Pflanzenschutzberichte, Wien, 7. 1951, 162.
- Wenzl, H.**, Die Vergilbungskrankheit, eine neue Gefahr für den Rübenbau. Pflanzenarzt, Wien, 4. 1951, Nr. 11, S. 5—6, 1 Abb.
- Winkelmann, A.**, Die Vergilbungskrankheit der Rüben. Gesunde Pflanzen 3. 1951, 123—124.
- De invloed van het opruimen der voederbietenkuilen op het vergelingspercentage in de suikerbieten op het eiland Tiengemeten.** Suikerbiet 4. 1951, 95, fig.
- La jaunisse et la mosaïque de la betterave.** Rev. rom. Agric., Vitic., Arboric. 7. 1951, 46, 2 fig.
- Lutte contre les pucerons dans les cultures de betteraves.** Rev. rom. Agric., Vitic., Arboric. 7. 1951, 47.
- De vergelingsziekte in 1950.** Suikerbiet 4. 1951, 106—114.
- Virus yellows in beets in 1950.** Suikerbiet 4. 1951, 106—114.

4. Hülsenfrüchte und Gräser Legumes and grasses — Légumineuses et graminées

a. Allgemeiner Teil

General part — Partie générale

- Allison, J. L.**, Rhizoctonia blight of forage legumes and grasses. Plant Dis. Repr. 35. 1951, 372—373.
- Allison, J. L., and Wells, J. C.**, Forage crop diseases can be controlled. Carolina Co-op. 29. 1951, nr. 8, p. 14—15, 31.
- Brown, M. E.**, Legume and grass seed treatment effective. Seed Trade News 56. 1951, nr. 12, p. 4.
- Grivanov, K. P.**, Bor'ba s vrediteliami mnogoletnikh trav; al'bom-spravochnik. (Control of pests of perennial legumes and grasses; album-reference book.) Saratovskoe Obl. Gos. Izd-vo, Saratov, 1951, 59 p.
- Miles, G. F.**, Life-guards for the seeds of grasses and clovers. Agric. News Let. (E. I. du Pont de Nemours & Co.) 19. 1951, 43—48.
- Shecherbinovskii, N. S.**, (Control of forage crop pests.) [DDT and benzene hexachloride] Kormovaia Baza (russ.) 2. 1951, nr. 6, p. 36—39.
- Wit, F.**, De toetsing van vorstresistentie van grassen en klavers in het laboratorium. Notulen Studiekring Plantenveredlg., Wageningen, 1951, 392—397.

b. Hülsenfrüchte

Legumes — Légumineuses

Lens, Phaseolus, Pisum, Soja

Allgemeiner Teil

General part — Partie générale

- Andersen, A. L.**, Observations on bean diseases in Michigan during 1949 and 1950. Plant Dis. Repr. 35. 1951, 89—90.
- Blanchard, F. A., and Diller, V. M.**, Uptake of aureomyacin through the roots of Phaseolus lunatus. Amer. J. Bot. 38. 1951, 111—112.
- Bremer, H.**, Aus dem Pflanzenschutz in der Türkei. [Getreide und Hülsenfrüchte] Gesunde Pflanzen 3. 1951, 192—194 u. 224—225.
- Chamberlain, D., and Koehler, B.**, Soybean diseases in Illinois. Illinois agric. Coll. Ext. Circ. 676. 1951, 31 p.
- Crall, J. M.**, Soybean diseases in Iowa in 1950. Plant Dis. Repr. 35. 1951, 320—321, 1 fig.
- De Zeeuw, D. J., and Andersen, A. L.**, Response of pea varieties to dry and slurry methods of seed treatment. Phytopathology 41. 1951, 10.

- Dubinevich, B. N.**, (Disinfection of lentil seeds with granosan.) Seleksiia i Semenovodstvo (Selection and Seed Growing) 18. 1951, nr. 10, p. 79.
- Fang, S. C., Jaworski, E. G., Logan, A. V., Freed, V. H., and Butts, J. S.**, The absorption of radioactive 2,4-dichlorophenoxyacetic acid and the translocation of C^{14} by bean plants. Arch. Biochem., Biophys. 32. 1951, 249—255.
- Frigerio, J. C.**, Enfermedades parasitarias del poroto. Pampa Argentina 24. 1951, nr. 280, p. 26.
- Gerdemann, J. W.**, Effect of seed treatment on forage legumes in wet and dry soil. Phytopathology 41. 1951, 13, 610—614.
- Hanisch, H.**, Einiges über Leguminosenzüchtung. [Resistenzüchtung] Ztschr. Pfl.züchtg. 30. 1951, 394—404.
- Ikata, S.**, (The diseases of food crops. nr. 1. Rice plant and beans.) (Series of plant pathology nr. 6.) Asakura Shoten, Tokyo 1951. 2+12+320 p., 95 fig., 26 tab.
- Johnson, H. W.**, Soybean seed treatment. Soybean Digest 11. 1951, nr. 7, p. 17—20.
- Johnson, H. W.**, Soybean seed treatment for the Delta. Mississippi agric. Exp. Stat. Serv. Sheet 419. 1951, 2 p.
- Johnson, H. W.**, Treatment of soybean seed recommended. Mississippi Farm Res. 14. 1951, nr. 5, p. 1—2.
- Koopman, C.**, Nieuwe resistente erwtengetassen. Nieuwe Veldbode 17. 1951, 304.
- Lee Ling**, Bibliography of soybean diseases. Plant Dis. Repr. Suppl. 204. 1951, 110—173.
- Manlio Castillo, L.**, Sobre algunas plagas y enfermedades del frijol en Guatemala. Monitor INFOP (Inst. Fomento Prod., Guatemala) 2. 1951, nr. 5, p. 26.
- Noordhoff, L. J.**, A ground-spray rig for soybean defoliants. Agric. Leaders' Digest 32. 1951, nr. 4, p. 20—21.
- Nugent, T. J., Fenne, S. B., and White, W. C.**, Seed treatment and seed inoculation studies with soybeans. Plant Dis. Repr. 35. 1951, 82—83.
- Riepmann, P.**, (Foot and vascular diseases in peas in 1951.) Versl. Centr. Inst. landbouw.kdg. Onderz. 1951, 101—105.
- Saboe, L. C.**, Pre-harvest treatment of soybeans (defoliation, brittilizing and pre-harvest drying). Ohio agric. Exp. Stat. Agron. Mimeogr. 121. 1951, 2 p.
- Toole, E. H., Toole, V. K., Lay, B. J., and Crowder, J. T.**, Injury to seed beans during threshing and processing. U.S. Dept. Agric. Circ. 874. 1951, 10 p.
- Wade, G. C.**, Pea diseases in Tasmania. Tasmanian J. Agric. 22. 1951, 40—48, 8 fig.
- Wallace, G. B.**, Diseases of French or dwarf beans. [Phaseolus vulgaris] Tanganyika Dept. Agric. Pamphl. 51. 1951, 11 p., 4 fig.
- Bean Growers' Conference**: 1951 annual meeting. Queensl. Fruit, Veg. News 2. 1951, nr. 2, p. 4—5, 7—8.
- Ontsmetting van zaaizaad bij peulvruchten.** (Disinfection of legume seeds.) Ber. plantenziektenkdg. Dienst, Wageningen, 936. 1951, 1 p.
- Nichtparasitäre Krankheiten**
Diseases not caused by parasites
Maladies non parasitaires
- Cralley, E. M., and Beecher, R. L.**, The control of soybean chlorosis in rice-growing areas of Arkansas by potassium applications. Phytopathology 41. 1951, 7.
- Hivon, K. J., Doty, D. M., and Quackenbush, F. W.**, Ascorbic acid and ascorbic acid oxidizing enzymes of green bean plants deficient in manganese. Plant Physiol. 26. 1951, 832—835.
- Löhnis, M. P.**, Manganese toxicity in field and market garden crops. [Phaseolus vulgaris] Plant and Soil 3. 1951, 193—222.
- Viets jr., F. G., and Crawford, C. L.**, Field studies on zinc deficiency in beans in central Washington. U.S. Bur. Plant Ind., Soils, agric. Engin., Div. Soil Mangt., Irrig. Res., Rept. 208. 1951, 4 p.
- Pflanzliche Feinde**
Vegetal parasites — Parasites végétaux
- Andersen, A. L.**, Bacterial diseases of Michigan navy pea beans. [Xanthomonas phaseoli] Michigan agric. Exp. Stat. Quart. Bull. 33. 1951, 199—200.
- Angell, H. R.**, Seedling blight. IV. Effect of source of isolates of Pythiaceae on percentage stands of poppies and peas on four steamed soils. Austr. J. agr. Res. 2. 1951, 286—294.
- Armstrong, G. M.**, Phytophthora cactorum on cow-peas in South Carolina. Plant Dis. Repr. 35. 1951, 418.
- Blanchard, M.**, Action d'un composé organomercurique sur le développement de l'Orobanche du pois (Orobanche speciosa D. C.). Compt. rend. Acad. Sci., Paris, 233. 1951, 1224—1226.
- Brock, R. D.**, Resistance to angular leaf spot among varieties of beans. [Isariopsis griseola] J. Austr. Inst. agric. Sci. 17. 1951, 25—30.
- Busch, L. V., and Gilpatrick, J. D.**, A legume root rot survey in Southwestern Ontario in 1950. Plant Dis. Repr. 35. 1951, 206.
- Cass Smith, W. P., Harvey, H. L., and Goss, O. M.**, »Westralia« — a new rust resistant pole bean. [Uromyces appendiculatus] J. Dept. Agric. West-Austr. (ser. 2) 28. 1951, 317—324, 4 fig.
- Chamberlain, D. W.**, Resistance to bacterial blight in soybeans. Phytopathology 41. 1951, 6.

- Chamberlain, D. W.**, Sclerotinia stem rot of soybeans. Plant Dis. Reprtr. 35. 1951, 490—491.
- Cohen, M.**, Increased resistance to bean rust associated with water infiltration. [Uromyces phaseoli] Phytopathology 41. 1951, 937.
- Cox, R. S., and Hyre, R. A.**, Overwintering of Phytophthora phaseoli on infected Lima bean pods in the soil. Plant Dis. Reprtr. 35. 1951, 354.
- Cruickshank, I. A. M.**, Fusarium-foot-rot of peas in New Zealand. [F. solani] New Zealand J. Sci. Techn. (A) 33. 1951, nr. 3, p. 62—65, 3 fig.
- Cruickshank, I. A. M.**, Pea-wilt in New Zealand. [Fusarium orthoceras var. pisi] New Zealand J. Sci. Techn. (A) 33. 1951, nr. 4, p. 75—80, 3 fig.
- Darby, J. F.**, Stem anthracnose of bean in Florida. Phytopathology 41. 1951, 9.
- De los A. Meléndez, M.**, Resistencia y susceptibilidad de las variedades mexicanas de frijol a la antracnosis (Colletotrichum lindemuthianum (Sacc. y Magn.) Bri. y Cav.) Mexico Ofic. Estud. Espec. Fol. Misc. 4. 1951, 118.
- De los A. Meléndez, M.**, Reacción de frijol en México a tres razas de Colletotrichum lindemuthianum. Mexico Sec. Agr., Canad. Fol. Téc. 9. 1951, 29 p.
- Feaster, C. V.**, Bacterial pustule disease in soybean: artificial inoculation, varietal resistance, and inheritance of resistance. Missouri agric. Exp. Stat. Res. Bull. 487. 1951, 26 p.
- Fujikawa, T.**, (On «shirakium disease» (stem rot) of soybean.) Jap. J. Plant Prot. 21. 1951, 42—44.
- Gibler, J. W.**, Pelleting soybean seed with fungicides for control of damping-off and root rot. Phytopathology 41. 1951, 13.
- Graham, J. H.**, Overwintering and association of three bacterial pathogens of soybean. Phytopathology 41. 1951, 14.
- Hartwig, E. E., and Lehman, S. G.**, Inheritance of resistance to the bacterial pustule disease (Xanthomonas phaseoli sojensis) in soybeans. Agron. J. 43. 1951, 226—229.
- Heuberger, J. W., Cox, R. S., and Hyre, R. A.**, Our present knowledge of the downy mildew disease of Henderson bush lima beans and its control in Delaware. [Phytophthora phaseoli] Delaware State Board Agric. Bull. 40. 1951, nr. 5, p. 44—49.
- Hildebrand, A. A., and Koch, L. W.**, A study of systemic infection by downy mildew of soybean with special reference to symptomatology, economic significance and control. [Peronospora manshurica] Sci. Agric., Ottawa, 31. 1951, 505—518, 19 fig.
- Hildreth, R. C.**, The use of resistant selections, hybrids, antibiotics, and other direct measures for the control of bacterial blight of beans. Wyoming Univ. Publ. 16. 1951, 138—139 (Abstr.).
- Hingorani, M. K.**, Bacterial soft-rot of peas. [Erwinia] Curr. Sci. 20. 1951, 191.
- Ibragimow, G. P.**, (Spezialisierung der Arten Colletotrichum auf einigen Bohnen-, Kürbis- und Nachtschattengewächsen.) (Arb. allruss. Inst. Pfl.schutz, Moskau-Leningrad), Liefg. 3. 1951, 205—212.
- Jenkins, A. E.**, Sphaceloma scab, a new disease of soybeans discovered by plant pathologists in Japan. Plant Dis. Reprtr. 35. 1951, 110—111, 1 fig.
- Kendrick jr., J. B.**, The influence of temperature upon the incidence of Rhizoctonia root rot of Lima beans. Phytopathology 41. 1951, 20.
- Kernkamp, M. F., and Gibler, J. W.**, Diseases of soybeans new to Minnesota. [Cephalosporium gregatum Allington et Chamberlain] Plant Dis. Reprtr. 35. 1951, 509—510.
- Kernkamp, M. F., and Gibler, J. W.**, Resistance in soybeans to root rot caused by Rhizoctonia solani. Phytopathology 41. 1951, 21.
- Klykow, A. P.**, (Die Keimblattbakteriose bei der Sojabohne und ihre Bekämpfung.) [Bacterium solanacearum Smith, Bact. sojae Wolf] (Mikrobiologie) (russ.) 20. 1951, 33—40.
- Lehman, S. G., Murakishi, H., and Graham, J. H.**, A leaf spot of soybean caused by Sclerotium rolfsii. Plant Dis. Reprtr. 35. 1951, 167—168, 1 fig.
- Lukashevich, A. I.**, (On the treatment of chickpea seeds (against Ascochyta and Fusarium).) Seleksiia i Semenovodstvo (Selection and Seed Growing) 18. 1951, nr. 10, p. 70—71.
- McAlister, D. F., and Chamberlain, D. W.**, Water flow through soybean stems infected with brown stem rot. Plant Dis. Reprtr. 35. 1951, 318—319.
- Mullin, R. S.**, Comparative dusts for powdery mildew (Erysiphe polygoni) of beans. Delaware State Board Agric. Bull. 40. 1951, nr. 5, p. 50—51.
- Murakishi, H. H.**, Purple seed stain of soybean. Phytopathology 41. 1951, 305—318, 3 fig.
- Naito, N.**, (On the influence of temperature to germination of urediniospores of Uromyces appendiculatus (Pers.) Fr. parasitic on bean.) Kagawaken agric. Coll. (jap.) Techn. Bull. 1. 1951, nr. 3, p. 14—17.
- Nikolić, V.**, (A new soybean disease in Yugoslavia — preliminary note —.) [Peronospora manshurica] Plant Prot., Beograd, nr. 8. 1951, 39—40.
- Payak, M. M.**, A Synchronism disease of Udid beans. Curr. Sci. 20. 1951, 103—104, 1 fig.
- Rhodes, A. M.**, The development of anthracnose (Colletotrichum lindemuthianum) and virus 15 resistant strains of Rainy River navy beans by backcrossing. Michigan Univ. Microfilm Abs. 11. 1951, 802—803.
- Schreuder, J. C.**, Een onderzoek over de Amerikaanse vaatziekte van de erwten in Nederland. [Fusarium oxysporum] Tijdschr. Plantenziekten 57. 1951, 175—206, 11 fig.

- Schrödter, H., Über die Bedeutung des Mikroklimas für die Entwicklung parasitischer Pilze der Gattung *Ascochyta* (Erreger der Brennfleckenkrankheit der Erbse). *Angew. Meteorol.* 1. 1951, 79—85, 4 Abb.
- Sherwin, H. S., The relationship of *Cercospora* sp. to seed discoloration in soybeans. *Phytopathology* 41. 1951, 565.
- Sherwin, H. S., and Lefebvre, C. L., Reaction of cowpea varieties to bacterial canker. *Plant Dis. Repr.* 35. 1951, 302—317, 4 fig.
- Smith, W. L., Bacterial blight of beans and its control through hybridization and direct control measures. *Wyoming Univ. Publ.* 16. 1951, 228 (Abstr.).
- Smith, W. P. C., Harvey, H. L., and Goss, O. M., »Westralia« — a new rust resistant pole bean. *J. West. Austr. Dept. Agric.* 28. 1951, 317—324. — *Seed, Nursery Trader* 49 (n. sér.). 1951, nr. 12, p. 23, 25.
- Starr, G. H., Burke, D., Smith, W., Hildreth, R., and Paulus, A., Antibiotics for bean blight control. [*Pseudomonas medicaginis* f. sp. *phaseolicola*] *Agron. J.* 43. 1951, 617.
- Swank jr., G., *Alternaria* leaf spot and dieback of snap bean: a new disease in Central Florida. *Plant Dis. Repr.* 35. 1951, 330—332, 2 fig.
- Thomas, H. R., Jorgensen, H., Fisher, H. H., and Wester, R. E., Resistance to downy mildew in Lima beans. *Phytopathology* 41. 1951, 566—567.
- Tiffany, L. H., The anthracnose complex on soybeans. *Iowa State Coll. J. Sci.* 25. 1951, 371—372 (Abstr. of Thesis).
- Tiffany, L. H., Delayed sporulation of *Colletotrichum* on soybean. *Phytopathology* 41. 1951, 975—985, 4 fig.
- Timnick, M. B., Lilly, V. G., and Barnett, H. L., Factors affecting sporulation of *Diaporthe phaseolorum* var. *batatas* from soybean. *Phytopathology* 41. 1951, 327—336, 2 fig.
- Venkatakrishnaiah, N. S., The perithecial stage of *Erysiphe polygoni* DC. on pea (*Pisum sativum* Linn.). *Curr. Sci.* 20. 1951, 137—138.
- Wallace, G. B., and Wallace, M. M., Bacterial blight of peas. [*Pseudomonas pisi*] *East afr. agric. J.* 17. 1951, 16—18, 5 fig.
- Wallen, V. R., and Skolko, A. J., Activity of antibiotics against *Ascochyta pisi*. *Canad. J. Bot.* 29. 1951, 316—323.
- Wallen, V. R., and Skolko, A. J., Antibiotic XG (from *B. subtilis*) as a seed treatment for the control of leaf and pod spot of peas caused by *Ascochyta pisi*. *Canad. J. Res.* 28. 1950, 623—636.
- Walters, H. J., and Burke, D., Bean root rot (*Fusarium*) investigations in Wyoming during 1950. *J. Colorado-Wyoming Acad. Sci.* 4. 1951, nr. 3, p. 66—67 (Abstr.).
- Watson, R. D., Method for use of soil fumigants to control root rot and seed decay in peas and beans. *Plant Dis. Repr.* 35. 1951, 324—325, 1 fig.
- Watson, R. D., Coltrin, L., and Robinson, R., The evaluation of materials for heat treatment of peas and beans. *Plant Dis. Repr.* 35. 1951, 542—544.
- Weihing, J. L., Control of common blight and rust in field beans. *Nebraska agric. Coll. Ext. Circ.* 1813. 1951, 8 p.
- Weiss, M. G., More and better soybeans through research. *Soybean Digest* 11. 1951, nr. 11, p. 24—25, 1 tab. geogr.
- Yarwood, C. E., Fungicides for powdery mildews [*Erysiphe polygoni*] *Proc. 11th int. Congr. Crop Prot.* 1951, 22 p., 12 fig.
- Yarwood, C. E., and Cohen, M., Hypertrophy from the uredial stage of bean rust. *Bot. Gaz.* 112. 1951, 294—300.
- Pod and leaf spots of the pea. [*Mycosphaerella, Ascochyta*] *New South Wales Dept. Agric. Plant Dis. Leaflet* 42. 1951, 2 p.

Unkräuter

Weeds — Mauvaises herbes

- Bender, E. K., and Stark, F. C., Weed control experiments with spinach and canning peas. *Canning Trade* 74. 1952, nr. 31, p. 7—8.
- Kelly, S., and Avery, G. S., The age of pea tissue and other factors influencing the respiratory response to 2, 4-D and dinitro compounds. *Amer. Journ. Bot.* 38. 1951, 1—4.
- Leefe, J. S., Weed control in peas in Nova Scotia. *Down to Earth* 7. 1951, 12.
- Meletti, P., (Cytological reactions and effects on rooting of some legumes treated with 2, 4-D.) *Nuovo Giorn. Bot. Ital.* 57 (n. ser.) (1950). 1951, 498—514.
- Meletti, P., (Macroscopic observations of adult stems of *Vicia faba* treated with 2, 4-D.) *Nuovo Giorn. Bot. Ital.* 57 (n. ser.) (1950). 1951, 673—674.
- Miller, J. H., Control of weeds in field crops: Soybeans, peas, and leguminous forage. *North Cent. Weed Control Conf. Res. Rept.* 7 (1950). 1951?, 108—123.
- Ottosson, L., (Control of weeds in peas pays.) *Lantmannen (swed.)* 35. 1951, 867—868, 872.
- Reynolds, J. D., Fewer weeds mean more peas. *Farmer, Stock-Breeder* 65. 1951, nr. 3214, p. 85—86.
- Roberts, H. A., and Woodford, E. K., DNBP for the control of weeds in peas. *Agriculture, J. Minist. Agric., London*, 58. 1951, 268—273.
- Saboe, L. C., Speed soybean harvest by airplane treatment. [weed control] *Ohio Farmer* 208. 1951, nr. 6, p. 12—13.

- Wilde, M. H.**, Anatomical modifications of bean roots following treatment with 2,4-D. *Amer. J. Bot.* 38. 1951, 79—90.
- The control of weeds in peas with DNBP. [4-dinitro-6-secondary-butyl-phenol] *Great Brit. Minist. Agric., Fish. Adv. Leaf.* 376. 1951, 4 p.
- De onkruidbestrijding in erwten.** Noordoostpolder (tweede blad) 6. 1951, nr. 42.
- Verslag van de onkruidbestrijdingsproeven in erwten (serie 197) in 1950.** Gestencilde Versl. interprov. Proeven (Centr.-Inst. landbouwkdg. Onderz.) nr. 22. 1951, 4 p.
- Tierische Feinde**
Animal parasites — Parasites animaux
- Aburto M., S.**, Experimentos para el control de la «chicharrita del frijol», *Empoasca fabae* (Harr.), en Progreso, Morelos, Mexico. *Mexico Ofc. Estud. Espec. Fol. Misc.* 4. 1951, 135—137.
- Atkins jr., J. G.**, Root-knot nematodes on peas and vetch in Louisiana. [Heterodera marioni on Pisum and Vicia] *Plant Dis. Repr.* 35. 1951, 323, 1 fig.
- Beckham, C. M., and Dupree, M.**, Insecticides for control of cowpea curculio (*Chalcodermus aeneus*). *Assoc. south. Agric. Workers Proc.* 48. 1951, 94 (Abstr.).
- Bigger, J. H.**, White grubs (Phyllophaga) in legumes. *Amer. Assoc. econ. Ent., North Centr. States Branch, Proc.* 6. 1951, 61—62.
- Bom, G. J.**, Het erwtenstenaaltje, 1951. [Heterodera göttingiana] *Techn. Ber. Peulvruchten Studie Comb.* nr. 56. 1951, 1—7.
- Butt, F. H.**, Feeding habits and mechanism of the Mexican bean beetle (*Epilachna varivestis*). *Cornell Univ. agric. Exp. Stat. Mem.* 306. 1951, 32 p.
- Cortés I., A.**, El «minador de la hoja», *Chalepus signaticollis* Baly, y la chicharrita, *Empoasca fabae* (Harr.), como plagas del frijol en la region de Puebla, Mexico. *Mexico Ofc. Estud. Esp. Fol. Misc.* 4. 1951, 142—145.
- Ditman, L. P., and Bickley, W. E.**, Chemical methods for controlling the Mexican bean beetle (*Epilachna varivestis*). *Amer. Fertil., allied Chem.* 114. 1951, nr. 3, p. 35, 38.
- Ditman, L. P., and Bickley, W. E.**, On control of the Mexican bean beetle. [aerosol formulations] *J. econ. Ent.* 44. 1951, 325—328.
- Douglass, J. R.**, Beet leafhopper (*Circulifer tenellus*) threat to beans. *Idaho agric. Sci.* 36. 1951, nr. 3, p. 2.
- Enkerlin, D.**, Experimentos acerca del control de la «conchuela del frijol», *Epilachna varivestis* Muls., en el estado de Michoacan, Mexico. *Mexico Ofc. Estud. Esp. Fol. Misc.* 4. 1951, 131—135.
- Fenton, F. A.**, Insect control in legumes. *South. Seedsman* 14. 1951, nr. 2, p. 20, 52, 55.
- Frick, K. E.**, *Liriomyza langei*, a new species of leaf miner of economic importance in California (Diptera: Agromyzidae). [pest of peas] *Pan-Pacific Ent.* 27. 1951, 81—88.
- Gellatley, J. G.**, Value of DDT for green vegetable bug (*Nezara viridula*) control demonstrated on bean and lucerne seed crops. *Agric. Gaz. New South Wales* 62. 1951, 487—491.
- Hanson, D.**, Here's how to control legume insects. *Successful Farming* 49. 1951, nr. 7, p. 38, 98—100.
- Hoffmann, A.**, Contribution à l'étude de *Ceuthorrhynchus assimilis* Payk. (Le ceuthorrhynque des siliques.) *Rev. Path. vég. Ent. agric. France* 30. 1951, 238—252, 2 tab.
- Holston, E. M., and Crittenden, H. W.**, Resistance in soybeans to root-knot nematodes. *Phytopathology* 41. 1951, 562.
- Huckett, H. C.**, Tests of acaricides for control of the two-spotted spider mite on lima beans on Long Island. [Tetranychus bimaculatus] *J. econ. Ent.* 44. 1951, 192—196.
- Ilić, B.**, (Essais de lutte contre le *Bruchus pisorum* L. avec du HCH). *Saschitta Bilja* (Plant Prot.), Beograd, nr. 5. 1951, 32—38.
- Ishihara, T., and Matsuo, I.**, (Influence of the different varieties and various sowing seasons of the kidney bean on the damages caused by some bugs (Hemiptera).) *Oyo-Kontyu* 7. 1951, 62—63 (Abstr.).
- Ishii, S., and Urushibara, H.**, (Studies on the host plant of cowpea weevil (*Callosobruchus chinensis* L.). XII.) *Oyo-Kontyu* 7. 1951, 59—60 (Abstr.).
- Kiyoku, M.**, (On the change of the relation between exposure time and mortality and the change of temperature coefficients of the azuki bean weevil (*Callosobruchus chinensis*) under the exposure of various high temperatures.) *Botyu-Kagaku, Kyoto*, 16. 1951, 119—130.
- Knowlton, G. F.**, Mexican bean beetle (*Epilachna varivestis*). *Utha State agric. Coll. Ext. Bull.* 222. 1951, 2 p.
- McKelvey, J. J., Smith, A. C., Guevara C., J., y Cortés I., A.**, Biología y control de los picudos del género *Apion* que atacan al frijol en México. *Mexico Sec. Agric., Canad. Fol. Téc.* 8. 1951, 42 p.
- Medvedeva, V. I.**, (Desinfection of bean seed stocks.) [bean weevil] *Sad i Ogorod* (Orchard and Garden) nr. 10. 1951, 63.
- Middlekauff, W. W.**, Field studies on the bionomics and control of the broad bean weevil. [*Bruchus rufimanus*] *J. econ. Ent.* 44. 1951, 240—243, 3 fig.
- Middlekauff, W. W., and Sciaroni, R. H.**, Broad bean weevil (*Bruchus rufimanus*); control of pest may restore the once important fava bean crop. *Calif. Agric.* 5. 1951, nr. 1, p. 7, 13.

- Mihov, A., and Tsikov, D., (Summer plantings of pea as a measure for preventing the damages caused by pea weevil (*Bruchus pisorum*.) Bulgarska Akad. Nauk, Biol. Inst. Izv. 2. 1951, 67—82.
- Mochizuki, M., (Notes on some gall midges (*Cecidomyiidae*, *Diptera*) injurious to soybean.) Oyo-Kontyu 7. 1951, 124.
- Mochizuki, M., and Sugiyama, S., (Studies on the insect pests of soybean. 2. On the analysis of the damages from bean webworm *Sylepta ruralis* Scopoli and the relations between the damages and the culture method of soybean plant.) J. Hokuriku Agric. 1. 1951, nr. 2, p. 76—84.
- Nolte, H.-W., Tausendfüßlerfraß an Bohnenkeimlingen. [*Blattjulus gutturalis*] Nachr.bl. dtsh. Pfl.schutzd., Berlin, NF. 5. 1951, 14—15, 1 Abb.
- Oettingen, H. v., Thrips tabaci Lindem. als Erbsenschädling. Beitr. Ent., Berlin, 1. 1951, 42—43, 1 Abb.
- Oostenbrink, M., Het erwtenstenaaltje, *Heterodera gottlingiana* Liebscher, in Nederland. Tijdschr. Plantenziekten 57. 1951, 52—64, 3 fig.
- Otuka, M., (The effect of some insecticides on the respiration of adzuki bean weevil, *Callosobruchus chinensis* L.) Oyo-Kontyu 7. 1951, 51 (Abstr.).
- Packard, C. M., Insect pests of soybeans and their control. Soybean Digest 11. 1951, nr. 4, p. 14—18.
- Parker, H. L., Parasites of the lima-bean pod borer (*Etiella zinckenella*) in Europe. U.S. Dept. Agric. Techn. Bull. 1036. 1951, 28 p.
- Parks, T. H., and Weaver, C. R., Spittlebug (*Philaenus leucophthalmus*) control in legumes. Ohio agric. Coll. Ext. Bull. 318. 1951, 8 p.
- Ritcher, P. O., Are you growing beans or beetles (*Epilachna varivestis*). Res. and Farming (North Carolina Stat.) 9. 1951, nr. 3, p. 3—4, 3 fig.
- Sato, I., and Nishikawa, M., (On the damage on soybeans by *Nezara antennata* Scott and *Riptortus clavatus* Thunb.) Tottori Soc. agric. Sci. Trans. 9. 1951, 55—60.
- Schulze, K., Auftreten des Speisebohnenkäfers in Berlin. [*Acanthoscelides obsoletus*] Schädlingsbekämpfung 43. 1951, 39—40.
- Shibatsuji, T., (Ecological investigations on the soybean root miner, *Ophiomyia* sp. V.) Oyo-Kontyu 7. 1951, 73—74 (Abstr.).
- Speyer, W., Beitrag zur Bekämpfung des Erbsenwicklers (*Laspeyresia nigricana* Steph.). Nachr.bl. dtsh. Pfl.schutzd., Braunschweig, 3. 1951, 38—40.
- Speyer, W., Biologie und Bekämpfung des Pferdebohnenkäfers (*Bruchus rufimanus*). Mitt. Biol. Zentralanst. Berlin-Dahlem H. 70. 1951, 122—126.
- Speyer, W., Die vom Blattrandkäfer verursachten Schäden und ihre Verhütung. [*Sitona lineatus*] Gesunde Pflanzen 3. 1951, 221—222.
- Stone, M. W., and Foley, F. B., Field tests with ethylene chlorobromide on wireworms. [*Limonius californicus* on lima beans] J. econ. Ent. 44. 1951, 711—713.
- Suwanai, M., Ishii, I., and Uemura, H., (Studies on the behaviour of γ -BHC in the glass tube, by means of the vacuum tube spectrographis analysis and biological assay using cowpea weevil (*Callosobruchus chinensis*.) Oyo-Kontyu 7. 1951, 81 (Abstr.).
- Suzuki, R., Yamasaki, T., and Ishii, T., The effects of some insecticides on the dehydrogenases of adzuki bean weevil, *Callosobruchus chinensis* L. Oyo-Kontyu 7. 1951, 58 (Abstr.).
- Toyama, Y., and Kubota, F., (An experiment on the amount of damage by the injurious insects to the soybean of the autumn type in Miyasaki Prefecture.) Kyushu Noji Shikingo 8. 1951, 113—114.
- Vasil'ev, I. V., (On one peculiarity of egg-laying of the pea weevil (*Bruchus pisorum* L.)) Zool. Zhurn. 30. 1951, 477—478.
- Viktorov, G. A., (Parasites of lima-bean pod borer (*Etiella zinckenella* Tr.) in Stalingrad region.) [*Phanerotoma rjabovi*, *Limneria fuscicarpus*] Zool. Zhurn. 30. 1951, 385—390.
- Wright, D. W., Geering, Q. A., and Dunn, J. A., Varietal differences in the susceptibility of peas to attack by the pea moth, *Laspeyresia nigricana* (Steph.). Bull. ent. Res. 41. 1951, 663—667, 5 fig.

Virus

- Barker, J. S., and Tauber, O. E., Fecundity of and plant injury by the pea aphid as influenced by nutritional changes in the garden pea. [*Macrosiphum pisi*] J. econ. Ent. 44. 1951, 1010—1012.
- Bawden, F. C., Chaudhuri, R. P., and Kassanis, B., Some properties of broad-bean mottle virus. Ann. appl. Biol. 38. 1951, 774—784, 1 tab.
- Beemster, A. B. R., and Van der Want, J. P. H., Serological investigations on the *Phaseolus* viruses 1 and 2. Antonie van Leeuwenhoek, J. Microbiol., Serol. 17. 1951, 285—296, 2 tab.
- Bridgman, G. H., Relation of southern bean mosaic to black root. Phytopathology 41. 1951, 5.
- Bronson, T. E., and Dudley jr., J. E., Two systemic insecticides for control of the pea aphid. [*Macrosiphum pisi*] J. econ. Ent. 44. 1951, 747—750.
- Dana, B. F., Frazier, W. A., Amen, C. R., Steenland, A. P., and McWhorter, F. P., Virus diseases in Blue Lake beans grown for processing in western Oregon during 1951. Oregon State hort. Soc. Proc. 66. 1951, 135—136.
- Davich, T. B., and Apple, J. W., Pea aphid control with contact and systemic insecticidal sprays. [DDT against *Macrosiphum pisi*] J. econ. Ent. 44. 1951, 528—533.

- David, W. A. L., and Gardiner, B. O. C., Investigations on the systemic insecticidal action of sodium fluoroacetate and of three phosphorus compounds on *Aphis fabae* Scop. *Ann. appl. Biol.* 38. 1951, 91—110, 5 fig.
- De Fluiter, H. J., (Results obtained in an investigation on the influence of temperature and length of day on the appearance of sexual forms in *Aphis* (*Doralis*) *fabae* Scop., the black bean aphid.) *Tijdschr. Ent.* 93 (1950). 1951, XXV—XXIX.
- Ditman, L. P., Further experiments on pea aphid control. [*Macrosiphum pisi*] *Agric. Chem.* 6. 1951, nr. 12, p. 44—45.
- Dudley jr., J. E., and Bronson, T. E., Control of the pea aphid (*Macrosiphum pisi*) in the East. U. S. Bur. Ent., *Plant Quar. EC*—16. 1951, 10 p.
- Hagedorn, D. J., The reaction of Perfection-type peas to Wisconsin bean virus 2 isolates from pea. *Phytopathology* 41. 1951, 15, 494—498.
- Hagedorn, D. J., and Hanson, E. W., A comparative study of the viruses causing Wisconsin pea stunt and red clover vein mosaic. *Phytopathology* 41. 1951, 813—819, 3 fig.
- Hungerford, C. W., Plant breeders develop beans resistant to curly-top. *Idaho agric. Sci.* 36. 1951, nr. 3, p. 5.
- Kennedy, J. S., and Booth, C. O., Host alternation in *Aphis fabae* Scop. I. Feeding preferences and fecundity in relation to the age and kind of leaves. *Ann. appl. Biol.* 38. 1951, 25—64, 7 fig.
- Maltais, J. B., The nitrogen content of different varieties of peas as a factor affecting infestations by *Macrosiphum pisi* (Klth.) (Homoptera: Aphididae). A preliminary report. *Canad. Ent.* 83. 1951, nr. 2, p. 29—33.
- Quantz, L., Untersuchungen über Viruserkrankheiten an Buschbohnen. *Mitt. Biol. Zentralanst. Berlin-Dahlem* H. 70. 1951, 74—79, 1 Abb.
- Quantz, L., Eine Virose der Erbse und anderer Leguminosen. *Phytopath. Ztschr.* 17. 1951, 472—477, 3 Abb.
- Schicke, P., Die Übertragung der Bohnenmosaikkrankheit (*Phaseolus virus* 1). *Saatgut-Wirtschaft* 3. 1951, 60.
- Schroeder, W. T., An unusually heavy development of pea enation mosaic on 218 lines of pea in the field. *Plant Dis. Repr.* 35. 1951, 156—160.
- Thomas, H. R., A strain of alfalfa mosaic virus causing a systemic mottle in beans. *Phytopathology* 41. 1951, 566.
- Thomas, H. R., Yellow dot, a virus disease of bean. *Phytopathology* 41. 1951, 967—974, 1 fig.
- Thomas, H. R., Zaumeyer, W. J., and Jorgensen, H., Inheritance of resistance to lima-bean mosaic virus in the lima bean. *Phytopathology* 41. 1951, 231—234, 1 fig.
- Thomas jr., W. D., and Graham, R. W., Longevity of the red-node virus in beans. *Phytopathology* 41. 1951, 764—765.
- Thomas jr., W. D., and Graham, R. W., Seed transmission of red-node virus in pinto beans. *Phytopathology* 41. 1951, 959—962.
- Van der Vliet, M., (Virus diseases of beans.) *Volkstuin* 34. 1951, 15—16.
- Wilson, R. D., Bean mosaic. New South Wales Dept. Agric. *Plant Dis. Leaf.* 57. 1951, 3 p.
- Yarwood, C. E., Inoculation methods for tobacco-mosaic virus on bean. *Phytopathology* 41. 1951, 39.
- Yarwood, C. E., Rust infection increases invasiveness of tobacco-mosaic virus in bean. *Phytopathology* 41. 1951, 39.
- Zaumeyer, W. J., and Fisher, H. H., Potentialities of southern bean mosaic in the field. *Phytopathology* 41. 1951, 567.

Cicer, Lathyrus, Lespedeza, Lotus,
Lupinus, Medicago, Onobrychis,
Ornithopus, Trifolium, Vicia

Allgemeiner Teil

General part — Partie générale

- Atkins jr., J. G., Lespedeza diseases in Louisiana. *Phytopathology* 41. 1951, 2.
- Beaumont, A., Sweet pea diseases. *Gard. Chron.* 129. 1951, 132.
- Crall, J. M., Diseases on red clover and alfalfa in Iowa in 1950. *Plant Dis. Repr.* 35. 1951, 322.
- Engel, Krankheiten und Parasiten am Klee. *Bauern-Ztg.* 4. 1951, Nr. 51/52, S. 8.
- Grandfield, C. O., Alfalfa in Kansas. [diseases and insects] *Kansas agric. Exp. Stat. Bull.* 346 (Bull. 328 rev.). 1951, 65 p., 32 fig.
- Hall jr., P. J., and Edwards, C. R., Chemical treatments of small seeded legumes. *J. Colorado-Wyoming Acad. Sci.* 4. 1951, nr. 3, p. 66.
- Kummer, H., Über Beanstandungen der Herkunftsanzeige bei Kleeprüben im Jahre 1950/51. *Saatgut-Wirtschaft* 3. 1951, 229.
- Schmidt, F., Rückschläge im Anbau von Rotklee und ihre Ursachen. *Bad. landw. Wochenbl.* 118. 1951, 236—237.
- Vogt, E., Beizung sichert hohe Serradellaerträge. *Neue Mitt. Landw.* 6. 1951, 169—170.
- Washko, J. B., A look at alfalfa production in the North-east. *Better Crops* 35. 1951, nr. 3, p. 18—22, 46—48.
- Willard, C. J., Thatcher, L. E., and Jeffers, R. L., Kenland red clover, new disease-resistant variety adapted to southern Ohio. *Ohio Farm, Home Res.* (Ohio Stat.) 36. 1951, 84—85.

Nichtparasitäre Krankheiten
 Diseases not caused by parasites
 Maladies non parasitaires

- Abramova, G. K.**, (Causes (physiological) for early dying off of crimson clover in the stands of seeded meadows.) Selekttsia i Semenovodstvo (Selection and Seed Growing) 18. 1951, nr. 7, p. 41—47.
- Atwood, S. S.**, and **Kreitlow, K. W.**, Studies of a genetic disease of *Trifolium repens* simulating a virosis. Amer. J. Bot. 33. 1946, 91—100.
- Donald, C. M.**, and **Spencer, D.**, The control of molybdenum deficiency in subterranean clover by pre-soaking the seed in sodium molybdate solution. Austr. J. agric. Res. 2. 1951, 295—301.
- Fisher, E. H.**, and **Berger, K. C.**, Alfalfa seed production as influenced by insecticide and fertilizer application. J. econ. Ent. 44. 1951, 113—114.
- Klemme, A. W.**, Boron deficiency in alfalfa. Univ. Missouri Coll. Agric., agric. Ext. Serv. Circ. 559. 1951, 4 p.
- Nieser, O.**, Anomale Keime von Süßlupinen. Saatgut-Wirtschaft 3. 1951, 62—63, 8 Abb.
- Rossiter, R. C.**, Studies on the nutrition of pasture plants in the south-west of western Australia. I. The effect of copper, zinc, and potassium on the growth of the Dwalganup strain of *Trifolium subterraneum* L. on sandy soils. II. Visual symptoms of mineral deficiencies on the Dwalganup strain of *Trifolium subterraneum* L. Austr. J. agric. Res. 2. 1951, 1—24.
- Pflanzliche Feinde**
Vegetal parasites — Parasites végétaux
- Allison, J. L.**, and **Hanson, C. H.**, Methods for determining pathogenicity of *Sclerotinia trifoliorum* on alfalfa and *Rhizoctonia solani* on Lotus. Phytopathology 41. 1951, 1.
- Bernaux, P.**, Un mildiou de la vesce de Narbonne nouveau pour la France. Acad. Sci. Let. Montpellier Bull. 74/77 (1944/47). 1950, 58—59.
- Bhide, V. P.**, **Patel, M. K.**, and **Dhande, G. W.**, Fusarium wilt of lang (*Lathyrus sativus* L.): Isolation of wilt resistant types. [F. orthoceras] Indian Phytopath. 4. 1951, 181—188.
- Bingefors, S.**, Sambandet mellan väderleks förhållandena och omfattningen av Klöverrötangreppen vid Ultuna under åren 1930—1950. (Correlation between weather conditions and the extent of clover rot infection at Ultuna during the years 1930 to 1950.) Sver. Utsädesfören. Tidskr. 61. 1951, nr. 3, p. 100—107, 2 fig.
- Björling, K.**, Über die Entwicklungsgeschichte, Variabilität und Pathogenität von *Sclerotinia trifoliorum* Erikss. Phytopath. Ztschr. 18. 1951, 129—156, 92 Abb.
- Capozzi, A.**, Azione del filtrato di *Bakerophoma tracheiphila* (Petri) Ciferri su colture di radici in vitro e sul *Lupinus albus* nel saggio di Macht. Not. Mal. Piante nr. 16. 1951, 1—4.
- Casals, C. T.**, Fusarium sp. sobre *Vicia faba*. Microbiol. españ. 4. 1951, 15—21, 8 fig.
- Cormack, M. W.**, Variation in the cultural characteristics and pathogenicity of *Fusarium avenaceum* and *F. arthrosporioides*. Canad. J. Bot. 29. 1951, nr. 1, p. 32—45, 2 tab.
- Cormack, M. W.**, and **Hawn, E. J.**, Crown rots of alfalfa. Proc. canad. phytopath. Soc. 18. 1951, 15 (Abstr.).
- Crall, J. M.**, Wilt of red-clover seedlings. [Fusarium] Phytopathology 41. 1951, 7.
- Cutler, G. H.**, A new improved strain of little red clover. [resistant to *Kabatiella caulivora*, *Erysiphe polygoni*] Agron. J. 43. 1951, 572—573, 3 fig.
- Davis, R. L.**, A study of the inheritance of resistance in alfalfa to common leaf spot (*Pseudopeziza medicaginis*). Agron. J. 43. 1951, 331—337.
- Epps, J. M.**, and **Sherbakoff, C. D.**, A new anthracnose and mildew resistant red clover variety. Assoc. south. agric. Workers Proc. 48. 1951, 66.
- Gasc Daireaux, A.**, El control del »damping off« en alfalfa por medio de fungicidas. (The control of »damping-off« in alfalfa by means of fungicides.) Rev. Bolsa Cereales 1951, 7—35.
- Germ, H.**, und **Schönbrunner, J.**, Kleeseide (*Cuscuta*), Kleeteufel (*Orobanche minor*) und Unkräuter in Klee- und Luzerneschlägen. Pflug 4. 1951, 243—246.
- Graham, J. H.**, Stemphylium leafspot and stem canker of birdsfoot trefoil. [Lotus corniculatus L.] Plant Dis. Repr. 35. 1951, 489, 1 fig.
- Hafiz, A.**, Cultural studies on *Ascochyta rabiei* with special reference to zonation. [on *Cicer arietinum*] Trans. brit. mycol. Soc. 34. 1951, 259—269, 1 tab.
- Hanson, C. H.**, and **Allison, J. L.**, Studies on the nature and occurrence of stand depletion in alfalfa strains in North Carolina. [Fusarium, *Rhizoctonia* (*Corticium*) *solani*, *Colletotrichum trifolii*, *Sclerotium rolfsii*] Agron. J. 43. 1951, 375—379, 3 fig.
- Hollowell, E. A.**, Registration of varieties and strains of red clover, II. [resistance to *Colletotrichum trifolii*, *Sclerotinia trifoliorum*] Agron. J. 43. 1951, 242.
- Horn, N. L.**, and **Atkins jr., J. G.**, A new anthracnose of vetch. Phytopathology 41. 1951, 18.
- Ignatovicz, G. M.**, (Typhula trifolii Rostrup — parasite of red clover.) Vsesoiuzn. Akad. Sel'skhoz. Nauk Dokl. 16. 1951, nr. 4, p. 37—42.
- Kernkamp, M. F.**, Seed treatment of alfalfa, red clover, and sweet clover. Phytopathology 41. 1951, 21.

- Kilpatrick, R. A., and Hanson, E. W.**, Relative prevalence of fungi associated with root and crown rots of red clover in Wisconsin. *Phytopathology* 41. 1951, 21.
- Koltermann, E.**, Der Kleekebs und seine Bekämpfung. *Hannov. land- u. forstw. Ztg.* 104. 1951, 409—410.
- Lamberts, H.**, Resistentie tegen aantasting door *Fusarium oxysporum* en gele lupine. (Resistance to infection by *Fusarium oxysporum* in yellow lupin.) *Landbouwkdg. Tijdschr., Wageningen*, 63. 1951, 458—459.
- Leach, J. G., and Elliott, E. S.**, The blackpatch disease of red clover and other legumes in West Virginia. *Phytopathology* 41. 1951, 1041—1049, 6 fig.
- Leach, J. G., and Elliott, E. S.**, Blackpatch of red clover in West Virginia. *Plant Dis. Repr.* 35. 1951, 335—336.
- Leach, J. G., and Elliott, E. S.**, Blackpatch of red clover is seed-transmitted and causes seedling blight. *Phytopathology* 41. 1951, 23.
- Lehman, S. G.**, *Curvularia* leaf blight of Ladino clover. *Plant Dis. Repr.* 35. 1951, 79—80, 1 fig.
- Loveless, A. R.**, Observations on the biology of clover rot. *Ann. appl. Biol.* 38. 1951, 642—664, 2 fig., 1 tab.
- Lundblad, K., and Lagerqvist, S.**, Stamförsök med rödklöver. (Strain experiments with red clover.) [*Sclerotinia trifoliorum*] *Meddel. Jordbr.försök nr. 31*. 1951, 67 p.
- Minyaeva, O. M.**, (Dissemination of clover anthracnose with seeds.) [*Kabatiella caulivora*] (*Bull. Soc. Naturalistes, Moscou (Sect. Biol.)*), n. ser. 56. 1951, nr. 5, p. 91—95.
- Palti, J., and Ellern, A.**, (Control of powdery mildew of vetch by dusting from an airplane.) *Hassadeh (hebr.)* 31. 1951, 513—514.
- Pohjakallio, O., Salonen, A., and Laakkonen, E.**, Investigations into the bacteria antibioticly affecting the fungus *Sclerotinia trifoliorum* Erikss. *Physiol. Plant., Copenhagen*, 2. 1949, 312—322.
- Sleeth, B.**, *Diplodia* crown rot of alfalfa. *Plant Dis. Repr.* 35. 1951, 50—51, 1 fig.
- Stahl, M.**, Das Auftreten des Kleekebses. (Mitteilung des Pflanzenschutzamtes.) *Württ. Wochenbl. Landw.* 118. 1951, 279.
- Thompson, G. E.**, *Microsphaera diffusa* on blue lupine. *Plant Dis. Repr.* 35. 1951, 221.
- Torras Casals, C.**, *Fusarium* sp. sobre *Vicia faba*. *Microbiol. Españ.* 4. 1951, 15—22.
- Tverskoj, D. L., and Zhukova, K. P.**, (Effect of fertilizers on diseases [damping-off] of clover sprouts.) *Vsesoiuzn. Akad. Sel'skohoz. Nauk Dokl.* 16. 1951, nr. 7, p. 32—35.

- Uto, T.**, (Studies on the lupine brown spot. III.) *Kyushu Noji Shikinjo* 8. 1951, 99—100.
- Vogt, E.**, Die Stengelbrennerkrankheit der Serradella und ihre Bekämpfung. [*Colletotrichum trifolii*] *Dtsch. Landw.* 2. 1951, 410—411. — *Hannov. land- u. forstw. Ztg.* 104. 1951, 343.
- Weimer, J. L.**, Anthracnose resistance in lupines. *Plant Dis. Repr.* 35. 1951, 80—81.
- Weimer, J. L.**, *Ascochyta* canker of blue lupine. *Plant Dis. Repr.* 35. 1951, 81—82.
- Zachos, D. G.**, Recherches sur la désinfection des graines du pois-chiche (*Cicer arietinum* L.) infectées par l'*Ascochyta Rabiei* (Pass.) *Labr. Ann. Inst. phytopath. Benaki* 5. 1951, 76—87.

Unkräuter

Weeds — Mauvaises herbes

- Feuchter, Zwei verbreitete Luzerneunkräuter.** [*Taraxacum officinale*, *Senecio vernalis*] *Bad. landw. Wochenbl.* 118. 1951, 284, 3 Abb.
- Knowles, G.**, The effect of herbicides on clover. *Canada nat. Weed Comm., east. Sec., Proc.* 4. 1951, 30—31.
- Lehmann, U.**, Rechtzeitig sauber halten. [Unkräuter im Saatkle] *Bauernbl. Schlesw.-Holst.* 5./101. 1951, 483.
- Loibl, L.**, Rotkleesamenreinigung. [Unkraut] *Bauer* 4. 1951, Nr. 40, S. 7—8.
- Panella, A.**, Sui danni prodotti dalle male erbe nei medicinali e sull'impiego degli erbicidi selettivi. Ricerche eseguite in Umbria. (Damages produced by the weeds on alfalfa and the employment of selective herbicides.) *Ann. Sperim. agr., Roma*, 5 (n. ser.). 1951, 111—132, 1 fig.
- Schönbrunner, J.**, Bekämpft die Kleeseide! [*Cuscuta*] *Pflanzenarzt, Wien*, 4. 1951, Nr. 10, S. 5—6.
- Shaw, W. C., Hauser, E., and Woodhouse jr., W. W.**, The effect of chemicals on the yield of seedling alfalfa and weeds when applied as post-emergence sprays. *South. Weed Conf. Proc.* 4. 1951, 122—127.
- Stabler, S. P.**, Chemical control of chickweed (*Stellaria media*) in alfalfa. *Down to Earth* 7. 1951, nr. 2, p. 16.

Tierische Feinde

Animal parasites — Parasites animaux

- Allen, W. R.**, Progress report on chemical control of the sweet-clover weevil, *Sitona cylindricollis* Fahr. *Manitoba ann. Conf. Agron.* 18.—20. 12. 1951, 25.
- App, B. A.**, Control of the clover root borer (*Hylastinus obscurus*). *Amer. Assoc. econ. Ent., North Centr. States Branch, Proc.* 6. 1951, 68—69.

- Bingefors, S., The nature of resistance to stem nematode, *Ditylenchus dipsaci* (Kühn) Filipjev, in red-clover, *Trifolium pratense* L. Acta Agric. Scand., Stockholm, 1. 1951, 180—189, 6 fig.
- Bissell, T. L., and Stabler, S., Spittlebug (Cercopidae) control on clover and alfalfa. Maryland agric. Coll. Ext. Fact Sheet 41. 1951, 2 p.
- Boselli, F., Stato presente delle conoscenze su *Loxostege* (Phlyctaenodes) sticticalis L., lepidottero dannoso ai medicaei irrigui in Sardegna. (Present state of information on *Loxostege* (Phlyctaenodes) sticticalis L., a moth injurious to alfalfa in Sardinia.) Ann. Sperim. agr., Roma, n. ser. 5. 1951, 1247—1285, 3 fig.
- Chiesa Molinari, O., Ensayo de control contra la isoca de la alfalfa (*Colias lesbia* F.). IDIA (Inform. Invest. agric., Argentina) 4. 1951, 13—14.
- Colamaria, F., (Enemies of alfalfa.) [insect pests and their control] Agric. Ferrarese 55. 1951, 110—111.
- Corkins, J. P., To control alfalfa weevil (*Hypera postica*) kill the adult — — — early. Montana Farmer, Stockman 38. 1951, nr. 16, p. 26—27.
- Dahm, P. A., Insect control and residues on alfalfa for dehydration. Amer. Assoc. econ. Ent., North Centr. States Branch, Proc. 6. 1951, 62—66 (Abstr.).
- Dickason, E. A., Clover root borer trials. [*Hylastinus obscurus*] Jul. Hyman & Comp., Denver (Colorado) 1951. 3 p.
- Eden, W. G., Control of the vetch bruchid in Alabama. [*Bruchus brachialis*] J. econ. Ent. 44. 1951, 993—994.
- Ellis, H., New killer for alfalfa caterpillar (*Colias philodice eurytheme*). [a sporeforming bacterium in California] Successful Farming 49. 1951, nr. 9, p. 114—115.
- Frandsen, K. J., Studies on the clover stem nematode (*Tylenchus dipsaci* Kühn). Acta Agric. Scand., Stockholm, 1. 1951, 203—270, 15 fig.
- Franklin, W. W., Insects affecting alfalfa seed production in Kansas. Kansas agric. Exp. Stat. Techn. Bull. 70. 1951, 64 p.
- Frost jr., M. H., The three-cornered alfalfa hopper (*Stictocephala festina*) on alfalfa. Crop Comments 5. 1951, nr. 2, p. 4.
- Gaines, J. C., and Reinhard, H. J., A sweet-clover root borer in Texas. J. econ. Ent. 44. 1951, 623—624, 1 fig.
- Goodey, T., Stem eelworm (*Ditylenchus dipsaci*) attack on seedlings of vetches, *Vicia villosa* Roth. and *Vicia sativa* L. J. Helminth. 25. 1951, 29—32, 1 fig.
- Gyriscio, G. G., and Marshall, D. S., Further studies of the control of insects of red-clover in New York. J. econ. Ent. 44. 1951, 785—791.
- Harney, A. R., Stop the alfalfa weevil (*Hypera postica*). Idaho Farmer 69. 1951, 71, 86.
- Hartsig, J., Alfalfa seed dusting. [insect pests] Crop Comments 4. 1951, nr. 6, p. 1—2.
- Hastings, E., Spray early to kill alfalfa weevil (*Hypera postica*). West. Farm Life 53. 1951, nr. 7, p. 9.
- Hastings, E., and Pepper, J. H., Aerial and ground application of insecticides for pre-season control of alfalfa weevil. [*Hypera postica*] J. econ. Ent. 44. 1951, 9—13.
- Helm, R. W., Garden webworm (*Loxostege similalis*) damage in alfalfa. Nebraska agric. Coll. Ext. E. Circ. 1563. 1951, 4 p.
- Herron, J. C., The biology and control of the sweet-clover weevil (*Sitona cylindricollis*) in Ohio. Amer. Assoc. econ. Ent., North Centr. States Branch, Proc. 6. 1951, 66—68.
- Kelleher, J. S., Notes on the biology of the sweet-clover weevil, *Sitona cylindricollis* Fahr. Manitoba ann. Conf. Agron. 18.—20. 12. 1951, 22.
- Klostermeyer, E. C., Control of mites on alfalfa and clover seed crops. [*Tetranychus bimaculatus*, *T. atlanticus*, *Septanychus*] J. econ. Ent. 44. 1951, 126—127.
- Knowlton, G. F., Lieberman, F. V., and Snow, S. J., Alfalfa weevil (*Hypera postica*) control. Utah State agric. Coll. Ext. Bull. 220. 1951, 2 p.
- Knowlton, G. F., Lieberman, F. V., and Sorenson, C. J., Lygus bug control for alfalfa seed production. Utah State agric. Coll. Ext. Bull. 221. 1951, 2 p.
- Knowlton, G. F., and Sorenson, C. J., Insect control on seed alfalfa, 1951. Utah agric. Exp. Stat. M. S. 65. 1951, 1 p.
- Marshall, D. S., Muka, A. A., and Gyriscio, G. G., Control of the red-legged grasshopper on alfalfa with a low volume-low pressure sprayer. [*Melanoplus femurrubrum*] J. econ. Ent. 44. 1951, 615—616.
- Munro, J. A., Drafting insect »soldiers« to war on plant parasites. How parasites of the sweet-clover weevil and European corn borer are being established in North Dakota. [*Sitona cylindricollis* on sweet clover, *Pyrausta nubilalis* on maize] Bi-monthly Bull. North Dakota agric. Exp. Stat. 13. 1951, 231—236, 3 fig.
- Munusan jr., H., Spittlebug (Cercopidae) control on alfalfa and clover. Pennsylv. State Coll. Agric. Ext. Leaflet 144. 1951, 4 p.
- Nagaoka, N., and Kobayashi, T., (Plant bugs on leguminous meadow grasses.) Oyo-Kontyu 7. 1951, 110.

- Orthmann, Schäden an Rotklee.** [Kleeälchen] Landw. Ztschr. Nord-Rheinprov. 118. 1951, 319.
- Parks, T. H., and Weaver, C. R., Spittlebug** (*Philaenus leucophthalmus*) control in legumes. Ohio agric. Coll. Ext. Bull. 318. 1951, 8 p.
- Poos, F. W., Control of the garden webworm** (*Loxostege similis*) in alfalfa. U.S. Dept. Agric. Leaflet. 304. 1951, 4 p.
- Quiles, A., Les parasites de la luzerne dans la plaine du Tadla.** Chambre Agric. Casablanca Bull. 22. 1951, nr. 245, p. 3—5.
- Riedl, F., Wie verbessert man durch Mäusefraß mitgenommene Rotklee- und Wiesenbestände?** Landw. Wochenbl. München 141. 1951, 275.
- Russell, E. E., and Barnes, O. L., Field-plot tests of insecticides against the Egyptian alfalfa weevil** (*Hypera brunneipennis*) on alfalfa in southern Arizona, 1950. U.S. Bur. Ent., Plant Quar. E-825. 1951, 5 p.
- Russell, E. E., and Barnes, O. L., Tests with insecticides for control of Lygus bugs on alfalfa in southern Arizona, 1949—1950.** [L. hesperus, L. elisus, L. pratensis oblineatus] U.S. Bur. Ent., Plant Quar. E-831. 1951, 9 p.
- Schenker, P., Die Kleesamenrüssler oder Kleespitzmäuschen und ihre Bekämpfung.** [Apion aestivum, A. apricans, A. assimile] Landw. Jahrb. Schweiz 65. 1951, 713—725, 1 Abb.
- Shotwell, R. L., Controlling grasshoppers in alfalfa with chlordane and toxaphene sprays.** U.S. Dept. Agric., Bur. Ent., Plant Quar. E-819. 1951, 19 p.
- Smith, O. F., Biologic races of Ditylenchus dipsaci on alfalfa.** Phytopathology 41. 1951, 189—190.
- Snow, S. J., and McClellan, S., Tortrix pallorana, a pest of seed alfalfa in Utah.** J. econ. Ent. 44. 1951, 1023—1024.
- Sorenson, C. J., and Knowlton, G. F., Alfalfa and clover seed chalcid** (*Bruchophagus gibbus*). Utah State agric. Coll. Ext. Bull. 219. 1951, 2 p.
- Staniland, L. N., and Southey, J. F., Common vetch, Vicia sativa L., as a host of the oat strain of stem eelworm Ditylenchus dipsaci** (Kühn, 1857) Filipjev, 1936. J. Helminth. 25. 1951, 27—28.
- Stansbury, R. E., and Dahm, P. A., The effect of alfalfa dehydration upon residues of aldrin, chlordane, parathion, and toxaphene.** [insect control] J. econ. Ent. 44. 1951, 45—51, 4 fig.
- Steinhaus, E. A., Pest control by bacteria; alfalfa caterpillar** (*Colias philodice eurytheme*) in field reduced to sub-economic levels within two days by bacillus applied as spray. [Bac. thuringiensis] Calif. Agric. 5. 1951, nr. 6, p. 5.
- Steinhaus, E. A., Possible use of Bacillus thuringiensis Berliner as an aid in the biological control of the alfalfa caterpillar.** Hilgardia 20. 1951, 359—381, 12 fig.
- Swan, D. C., and Lower, H. F., An interim note on the control of the lucerne flea** (*Smynturus viridis*) and red-legged earth mite (*Halotydeus destructor*) J. south austr. Dept. Agric. 54. 1951, 433—434.
- Thompson, C. G., Field tests during 1950 using a polyhedrosis virus to control the alfalfa caterpillar.** [Borrelina campeolae on Colias philodice eurytheme] J. econ. Ent. 44. 1951, 255—256, 2 fig.
- Thorsteinson, A. J., The sweet-clover weevil** (*Sitona cylindricollis*). West. Canada Beekeeper 14. 1951, nr. 9, p. 10.
- Townsend, L. H., and Taylor, N. L., Effect of the vetch bruchid** (*Bruchus brachialis* Fahraeus) on vetch seed yields in Kentucky in 1950. Assoc. vetch. Agric. Workers Proc. 48. 1951, 51—52 (Abstr.).
- Wagner, F., Über die Ursachen der lückigen Rotkleebestände 1950/51.** Pflanzenschutz, München, 3. 1951, 46—47, 3 Abb.
- Wahlin, B., (The clover weevils (Apion) and their control.)** Svensk Jordbr.forskn. 1951, 129—135.
- Weaver, C. R., Clover leaf weevil** (*Hypera punctata*). Ohio Farm, Home Res. (Ohio Stat.) 36. 1951, 29.
- Wilson, M. C., Control of the sweet-clover weevil in Indiana.** [Sitona cylindricollis] J. econ. Ent. 44. 1951, 792—796.
- Wilson, M. C., The sweet-clover weevil** (*Sitona cylindricollis*) and its control in Indiana. Indiana agric. Exp. Stat. Circ. 369. 1951, 8 p.
- Control of stem eelworm in clover and onion seed.** Nat. Inst. agric. Bot. Seed Notes 38. 1951, 1—3.

Virus

- Black, L. M., Hereditary variation in the reaction of sweet-clover to the wound-tumor virus** (*Aureogenus magnivena*). Amer. J. Bot. 38. 1951, 256—267.
- Dunn, J. A., Pea aphid** (*Acyrtosiphon pisum*) population studies in 1950. [on Medicago lupulina] Nat. Veg. Res. Stat. Ann. Rept. 1950. 1951, 21—26.
- Favilli, R., Una virosi del Trifolium squarrosum L.** Agric. ital. (Tornar-Pisa) 51. 1951, 73—77.
- Hagedorn, D. J., and Hanson, E. W., The relationship between Wisconsin pea stunt and red-clover vein mosaic.** Phytopathology 41. 1951, 15.
- Houston, B. R., and Oswald, J. W., Mosaic diseases of Ladino clover in California.** Phytopathology 41. 1951, 940.
- Klostermeyer, E. C., and Menzies, J. D., Insect transmission of alfalfa witch's-broom virus to other legumes.** Phytopathology 41. 1951, 456—458, 1 fig.

Müller, H. J., Über die Ursachen der unterschiedlichen Resistenz von *Vicia faba* L. gegenüber der Bohnenblattlaus *Doralis fabae* Scop. III. Über das Wirtswahlvermögen der Schwarzen Bohnenblattlaus *Doralis fabae* Scop. Züchter 21. 1951, 161—179, 19 Abb.

Müller, H. J., und Unger, K., Über die Ursachen der unterschiedlichen Resistenz von *Vicia faba* L. gegenüber der Bohnenblattlaus *Doralis fabae* Scop. I. Der Verlauf des Massenwechsels von *Doralis fabae* Scop. in Abhängigkeit vom Witterungsverlauf 1949 in Quedlinburg. II. Über die Fluggewohnheiten, besonders das sommerliche Schwärmen, von *Doralis fabae* und ihre Abhängigkeit vom Tagesgang der Witterungsfaktoren. Züchter 21. 1951, 1—30, 18 Abb., 76—89, 4 Abb.

Nishida, K., (Virus disease observed on tobacco and its forecrop lupine.) Kyushu Noji Shikinjo 8. 1951, 106.

Sleeth, B., Witches' broom of alfalfa in the southwest. Plant Dis. Repr. 35. 1951, 77—79.

c. Gräser

Grasses — Graminées

Allgemeiner Teil

General part — Partie générale

Bingefors, S., (Weather and pasture parasites.) [Sclerotinia trifoliorum, Ditylenchus dipsaci] Lantmannen 35. 1951, 495—496.

Harris, A. A., Aerial spraying of marsh pastures in East Norfolk. Agriculture, Journ. Min. Agric., London, 58. 1951, 421—423.

Kalepky, H., Pflanzenschutz auch im Grünland? Gesunde Pflanzen 3. 1951, 197—199.

Lampeter, W., Die häufigsten Fehler beim Samenbau mehrjähriger Gräser. Dtsch. Landw. 2. 1951, 351—354.

Luttrell, E. S., Diseases of tall fescue grass in Georgia. [Festuca elatior var. arundinacea (Schreb.) Wimm.] Plant Dis. Repr. 35. 1951, 83—87, 1 fig.

Miles, G. F., Protect those seeds. Kentucky Farmer 87. 1951, nr. 5, p. 10—11.

Sánchez Potes, A., Estudios sobre royas de varios pastos. Mexico Ofic. Estud. Espec. Fol. Misc. 4. 1951, 107—110.

Smith, D. C., and Nielsen, E. L., Comparisons of clonal isolations of *Poa pratensis* L. from good and poor pastures for vigor, variability, and disease reactions. Agron. J. 43. 1951, 214—218.

Sprague, R., Diseases of cereals and grasses in North America. Ronald Press Co., New York 1950. XVI + 538 p., 81 fig.

Soil conservation promotes grassland farming. U.S. Soil Conserv. Serv., Washington, 1951, 24 p.

Nichtparasitäre Krankheiten

Diseases not caused by parasites

Maladies non parasitaires

Ciferri, R., e Bertossi, F., Efficacia inibitoria dell'O-isopropil-N-fenilcarbamatato sullo sviluppo del *Cynodon dactylon*. Atti. Ist. bot. Univ. Pavia 8. 1951, 125—127.

Müller, M., Der Verfall der Wiesenvegetation im Altmühltal im Vergleich mit der Dürre einwirkung 1947 und 1949 in Wiesen anderer Flußtäler. Landw. Jahrb. Bayern 28. 1951, H. 3/4, S. 115—122.

Williams, R. D., Effects of deficiencies of several trace elements on timothy (*Phleum pratense* L.) grown in solution culture. Plant and Soil 3. 1951, 257—266.

Pflanzliche Feinde

Vegetal parasites — Parasites végétaux

Brown, A. M., Ergot of cereals and grasses. Proc. canad. phytopath. Soc. nr. 15. 1947, 15 (Abstr.).

Butterfield, H. M., Schoonover, W., and Shepherd, H. W., Lawn planting and care. [Fungi] Calif. agric. Ext. Serv. Circ. nr. 181. 1951, 38 p., 24 fig.

Carter, J. F., and Ahlgren, H. L., Forage yields and disease development of two varieties of smooth brome grass, *Bromus inermis* Leyss., grown under various conditions in the field. Agron. J. 43. 1951, 166—171, 1 fig.

Davis, S. H., Engel, R. E., and Silber, G., Control of brown patch of turf in New Jersey. [Rhizoctonia solani on *Agrostis palustris*] Phytopathology 41. 1951, 657.

Davydovich, S. S., (On infection of timothy with *Epichloe typhina*.) Seleksiia i Semenovodstvo (Selection and Seed Growing) 18. 1951, nr. 10, p. 77—78.

Fischer, G. W., A local, winter-time epidemic of blister smut, *Entyloma cratophilum*, on Kentucky bluegrass at Pullman, Washington. [*Poa pratensis*] Plant Dis. Repr. 35. 1951, 88.

Fischer, G. W., Some new grass smut records from the Western states. II. Mycologia, Lancaster, 43. 1951, 67—77, 1 fig.

Garcés O., C., La gomosis (*Xanthomonas axonoporis*) de los pastos imperial (*Axonopus scoparius*) y micay (*Axonopus micay*) en Colombia. Mexico Ofic. Estud. Espec. Fol. Misc. 4. 1951, 110—118.

Grau, F. V., Presenting: Merion (B-27) bluegrass. [*Poa pratensis* resistant to *Helminthosporium*] Seed World 69. 1951, nr. 12, p. 8, 33, 38—39, 6 fig.

Howard, F. L., Rowell, J. B., and Keil, H. L., Fungus diseases of turf grasses, Rhode Island agric. Exp. Stat. Bull. 308. 1951, 56 p., tab. col.

- Jamalainen, E. A.**, (Occurrence of wintering over fungus on meadow grasses in Finland.) [Fusarium nivale, Typhula sp., Sclerotinia borealis] Nord. Jordbr.forskn. 2/3. 1951, 529—534.
- Luttrell, E. S.**, A key to species of Helminthosporium reported on grasses in the United States. Plant Dis. Repr. Suppl. 201. 1951, 59—67.
- Margadant, W. D.**, (Fungal diseases of pasture grasses.) Versl. Centr. Inst. landbouwkdg. Onderz. 1951, 42—44.
- Meiners, J. P.**, and **Fischer, G. W.**, Seed treatment to control smut in grasses. Washington agric. Exp. Stat. Circ. 139. 1951, 4 p.
- Myers, W. M.**, Registration of varieties and strains of Bromegrass (*Bromus* spp.). [resistance to *Ustilago bullata*] Agron. J. 43. 1951, 237—238.
- Patel, M. K.**, *Bremia* sp. on *Arthraxon lancifolius* Hoch in India. Indian Phytopath. 1. 1948, 104—106, 2 fig.
- Prasada, R.**, Results on wild grasses. [Puccinia graminis on grasses] Curr. Sci., Bangalore, 20. 1951, 243.
- Reed, H.**, Stem rot (*Sclerotinia trifoliorum*) and some other overwintering diseases on meadow plants in the winter 1949—50 in Norway. Tidsskr. norske Landbr. 58. 1951, 188—192.
- Rowell, J. B.**, Observations on the pathogenicity of *Rhizoctonia solani* on bent grasses. Plant Dis. Repr. 35. 1951, 240—242.
- Savile, D. B. O.**, Two new smuts on *Carex* in Canada. [Cintractia calderi n. sp., Planetella n. g.] Canad. J. Bot. 29. 1951, 324—328.
- Smith, J. D.**, Fungi and turf diseases. J. Sports Turf Res. Inst. 8. 1951, 60—66.
- Venkatarayan, S. V.**, and **Delvi, M. H.**, Smut on *Echinochloa colona* Link. [Ustilago crus-galli] Curr. Sci. 20. 1951, 329—330, 2 fig.
- Warner, G. C.**, and **Hensel, R. L.**, Texas rescue 46 is an improved rescue grass strain. [Bromus catharticus resistant to Erysiphe, Puccinia and Ustilago] Seed World 69. 1951, nr. 8, p. 8—9, 2 fig.
- Waterhouse, W. L.**, Australian rust studies. VIII. Puccinia graminis lolii, an undescribed rust of Lolium spp. and other grasses in Australia. Proc. Linnean Soc. New South Wales 76. 1951, nr. 3—4, p. 57—64.
- Berentschot, J.**, (Control of pasture weeds with growth substances.) [dutch] Overijsselsch Landb.bl. 33. 1951, nr. 1604, p. 5.
- Bernuth, W. v.**, Unkrautbekämpfung und Weidepflege wichtig. Unser Milchvieh 3. 1951, Nr. 6, S. 6 (Beil. zu Molk.-Ztg. 5. 1951, Nr. 23).
- Billington, T. F.**, Grass improvement by helicopter. [weed control] Farmer and Stock-Breeder 65. 1951, nr. 3229, p. 48.
- Breakey, W. J.**, Chemical control of pasture weeds. West. canad. Weed Control Conf. Proc. 4. 1951, 102—110.
- Coupland, R. T.**, Effect of chemicals on pasture weeds. West. canad. Weed Control Conf. Proc. 5. 1951, 136—143.
- Ehrenberg, P.**, Moos auf dem Grünland und seine Bekämpfung. Allgäuer Bauernbl. 19. 1951, 58.
- Elder, W. C.**, Controlling perennial ragweed to make better pastures. Oklahoma agric. Exp. Stat. Bull. B—369. 1951, 11 p.
- Freed, V. H.**, **Warren, R.**, and **Leach, C. M.**, Selective weed control in grain and grass crops. Oregon State Coll. Ext. Bull. 719. 1951, 31 p.
- Gagnon, L. P.**, Progress report on the destruction of cypress spurge (*Euphorbia cyparissias* L.) in pastures at Baie St. Paul, P. Q. Canada nat. Weed Comm., (east Sect.) Proc. 4. 1951, 72—73.
- Grigsby, B. H.**, Control of mossy stonecrop (*Sedum acre* L.) and certain other lawn weeds. Michigan agric. Exp. Stat. Quart. Bull. 33. 1951, 326—331.
- Halliday, D. J.**, and **Templeman, W. G.**, Field experiments in selective weed control by plant-growth regulators. III. Weed control in grassland. IV. The effect of plant-growth regulators upon the productivity of grassland. Empire J. exp. Agric. 19. 1951, 33—44, 104—112.
- Laplane, J. E.**, Contrôle des mauvaises herbes sur pâturages. Rev. Oka 25. 1951, 32—35.
- Lynch, P. B.**, Effect of weeds on pasture production. Nat. Weeds Conf. New Zealand Proc. 4. 1951, 43—45.
- McRae, H.**, Weed control in lawns. Prof. Gard. 3. 1951, 221—222.
- Nutter, G. C.**, Special equipment for the application of herbicides to experimental turf plots. Northeast. Weed Control Conf. Proc. 5. 1951, 167—173.
- Petersen, H. L.**, (Weed control in grass seeds.) Tidsskr. Frøavl 20. 1951, 186—193.
- Rieben, E.**, Le débroussaillage des pâturages au moyen du chlorate de soude. Forêt, Soleure, 1951, 142—145.

Unkräuter

Weeds — Mauvaises herbes

Balcom, R. B., How about TCA? A new weed killer for grasses. Reclam. Era 37. 1951, nr. 1, p. 6—7, 18.

Belzile, A., Weed control in pastures. Canada nat. Weed Comm., east. Sect., Proc. 4. 1951, 32—34.

- Semenova-Tian'shanskaia, A. M., and Gorshkova, A. A.,** (Caragana frutex Koch as a weed in steppe pastures.) Bot. Zhurn. 36. 1951, 534—541.
- Slaats, M., en Stryckers, J.,** Verbetering van de flora van blijvend grasland. II. Onderzoek naar de gunstigste perioden voor het aanwenden van synthetische groeistoffen als selectieve herbiciden. (Improvement of the sward of permanent pastures. II. Investigations to determine the most favourable period for the application of synthetic growth substances as selective herbicides.) Meded. Landbouwhoogeschool, Opzoekingsstat., Gent, 16. 1951, 95—111, 227—263.
- Stehle, H.,** Nota sobre los vegetales tóxicos para el ganado y las malezas de los pastoreos en la zona del Caribe. Inter-amer. Conf. Agr. Trab. Técn. 4. 1951, 541—544.
- Stryckers, J.,** Onkruidbestrijding in grasland. Parasitica 7. 1951, 111—117.
- Tomaselli, R.,** (Experiments in destroying Ranunculus infesting the meadows of Pavia with small doses of selective herbicides.) Melioramento (ital.) 4. 1951, 123—134.
- Wiede, W.,** Unkrautbekämpfung auf dem Grünland. Landw.bl. Weser-Ems 98. 1951, 364—365.
- Zimmerman, W. E.,** New herbicides bring weed-free turf closer. Seed World 68. 1951, nr. 7, p. 17, 46.
- Zürn, F.,** Bekämpfung von Unkräutern auf Alpen und Bergwiesen. Auf der Alpe 1951, 4—5.
- Ukrudtsbekaempelse i graesplaener m. m.** Stat. Fors.-virks. Plt.kult., København, Meddel. 396. 1951, 2., rev. ed., 4 p., 1 fig.
- U 46 auf Dauergrünland.** Land u. Garten 27. 1951, Nr. 30, S. 3.
- Tierische Feinde**
- Animal parasites — Parasites animaux**
- Adams, J. A.,** Tests with dieltrin for control of Japanese beetle larvae in turf. [Popillia japonica] J. econ. Ent. 44. 1951, 127—128. — Jul. Hyman & Comp., Denver (Colorado) 1951. 2 p.
- Bollow, H.,** Gallmücken als Schädlinge im Grassamenbau. Wirtschschutzb., München, 3. 1951, 141—142, 1 Abb.
- Carne, P. B.,** Further experiments in the control of Aphodius howitti Hope by DDT. Austr. J. agr. Res. 2. 1951, 429—434.
- Ceballos y Fernandez de Cordoba, G.,** Ideas sobre la fauna entomologica del esparto. Serv. Esparto Estud., Madrid, 1951, 13—20.
- Corkins, J. P.,** Are you grazing grasshoppers? [range pests in Montana] Montana Wool Grower 20. 1951, nr. 7, p. 7.
- Everly, R. T.,** Control of the meadow spittlebug. (Philaenus leucophthalmus). Indiana Acad. Sci. Proc. 60 (1950). 1951, 185—186.
- Ext, W.,** Großschäden durch die Larve der Wiesenschnake (Tipula) und ihre Auswirkung. Gesunde Pflanzen 3. 1951, 170—171.
- Feuchter, H.,** Maßnahmen gegen Engerlingsschäden auf Wiesen. Bad. landw. Wochenbl. 118. 1951, 516—517, 2 Abb.
- Fleming, W. E., Maines, W. W., and Coles, L. W.,** Persistence of chlorinated hydrocarbon insecticides in turf treated to control the Japanese beetle. Agric. Bull. (Shell) ADB. 162. 1951, 6 p. — U. S. Dept. Agric., agric. Res. Admin., Bur. Ent., Plant Quar., Nov. 1951, 1—6.
- Fuchs, K.,** Tipulabekämpfung mit Kalkstickstoff. Hannov. land- u. forstw. Ztg. 104. 1951, 253.
- Galachow, P. N.,** (Pest of sesame-grass bug (Lygus pratensis L.) and measures for its control.) Vsesoiuzn. Akad. Sel'skhoz. Nauk Dokl. 16. 1951, nr. 6, p. 22—24.
- Grivanov, K. P.,** Bor'ba s vrediteliami mnogoletnikh trav; al'bum-spravochnik. (Control of pests of perennial legumes and grasses; album-reference book.) Saratovskoe Obl. Gos. Izd-vo, Saratov, 1951, 59 p.
- Heddergott, H.,** Grünland und Wintersaaten in Gefahr! [Tipula paludosa] Landw. Wochenbl. Westf. u. Lippe 108 A. 1951, 511.
- Jones, D. W., Hodges, E. M., and Kirk, W. G.,** Insects do well at this time of year. [pasture pests in Florida] Florida Cattleman 15. 1951, nr. 12, p. 34—35, 62—63.
- Kelsey, J. M.,** Grass-grub and grass caterpillar control. New Zealand J. Agric. 83. 1951, 113, 115—117, 119, 121—122, 10 fig., 195, 197, 199—200, 5 fig.
- Kelsheimer, E. G.,** You can spot lawn insects. Florida Grower 59. 1951, nr. 2, p. 29, 31.
- Klages, H.,** Erfahrungsbericht zur Bekämpfung der Wiesenschnaken. Höfchen-Briefe, Leverkusen, 4. 1951, 188—191, 4 Abb.
- Knowlton, G. F.,** Bugs (Thyrillus pacificus) damage grass in Utah. Brooklyn ent. Soc. Bull. 46. 1951, 74—75.
- Kurir, A.,** Fraßpflanzen des Wiesenspinners (Hypogymna morio L.). Bodenkultur, Wien, 5. 1951, 492—506, 12 Abb.
- Lange, W.,** Wo stehen wir in der Tipulabekämpfung? Landw.bl. Weser-Ems 98. 1951, 121—122.
- Maercks, H.,** Lebensweise und Bekämpfung der Wiesenschnaken. [Tipulidae] Biol. Bundesanst. Braunschwg. Flugbl. C 17. 1951, 8 S., 6 Abb.

- Marais, S. J. S.**, (Investigation of Karoo pasture. IV. How much damage do insects cause?) Wolboer (South Africa) 43. 1951, 24—25.
- Marshall, D. S., and Gyrisco, G. G.**, Control of the meadow spittlebug on forage crops. [Philaenus leucophthalmus] J. econ. Ent. 44. 1951, 289—293.
- Martyn, E. J.**, The effect of DDT on the pasture cockchafer (Aphodius pseudotasmaniae Given) in Tasmania. Tasmanian J. Agric. 22. 1951, 356—360.
- Martyn, E. J.**, The present position with pasture pests in Tasmania. Tasmanian J. Agric. 22. 1951, 141—143.
- Miner, F. D.**, Green June beetle (Cotinis nitida) damage to fall pasture. J. Kansas ent. Soc. 24. 1951, 122—123.
- Moore, A. W., and Reid, E. H.**, The Dalles pocket gopher and its influence on forage production of Oregon mountain meadows. U. S. Dept. Agric. Circ. 884. 1951, 36 p.
- Neiswander, C. R.**, Duration of the effectiveness of lead arsenate applied to turf for white grub control. [Phyllophaga, Cyclocephala] J. econ. Ent. 44. 1951, 221—224, 1 fig.
- Owens, R. G., and Ellis, D. E.**, The efficacy of certain chemical soil treatments against meadow nematodes. Phytopathology 41. 1951, 123—126, 1 fig.
- Pavlov, I. F.**, (Damage caused to perennial grasses by stem pests.) [Oscinella frit, Phytophaga destructor] Selektsiia i Semenovodstvo (Selection and Seed Growing) 18. 1951, nr. 12, p. 38—42.
- Prenzlín, A.**, Auf Schäden der Wiesenschnake achten! [Tipula paludosa] Bauernbl. Schlesw.-Holst. 5./101. 1951, 91.
- Riedl, F.**, Wie verbessert man durch Mäusefraß mitgenommene Rotklee- und Wiesenbestände? Landw. Wochenbl. München 141. 1951, 275.
- Riherd, P. T.**, Status of the Rhodes grass scale parasite in Texas. [Anagyrus antoninae on Antonina graminis] J. econ. Ent. 44. 1951, 622—623.
- Rosenstiel, R. G.**, Control of the meadow spittlebug (Philaenus leucophthalmus) in Oregon. Oregon agric. Exp. Stat. Circ. Inform. 505. 1951, 4 p.
- Schäfer, A.**, Tipula-Larve verbreitet denn je. Bauernbl. Schlesw.-Holst. 5./101. 1951, 460.
- Scharmer, J.**, Versuche zur Engerlingsbekämpfung auf Dauerwiesen. Mitt. Biol. Zentralanst. Berlin-Dahlem H. 70. 1951, 81—82.
- Schread, J. C.**, Control of turf insects. 2. [ants, sod webworms (Crambus spp.), and cutworms] Prof. Gard. 3. 1951, 9—10.
- Schread, J. C.**, The latest chemicals available; rid your lawn of pests. [Popillia japonica, Blissus leucopterus and ants] Horticulture 29. 1951, 182, 187.
- Schread, J. C.**, Soil and grassland insect investigations. [Japanese beetle, Asiatic garden beetle grubs] Jul. Hyman & Comp., Denver (Colorado) 16. 5. 1951, 9 p.
- Warmbrunn, K.**, Engerlingsbekämpfung auf Dauerwiesen. (Mitteilung des Pflanzenschutzamtes Stuttgart.) Württ. Wochenbl. Landw. 118. 1951, 1009.
- Warmbrunn, K.**, Ist gegen Alt-Engerlinge auf Wiesen jetzt noch etwas zu machen? (Mitteilung des Pflanzenschutzamtes.) Württ. Wochenbl. Landw. 118. 1951, 670—671.
- Warmbrunn, K.**, Jung-Engerlingsbekämpfung auf Wiesen. (Mitteilung des Pflanzenschutzamtes.) Württ. Wochenbl. Landw. 118. 1951, 728, 747.
- Warmbrunn, K.**, Was ist auf Engerlingswiesen jetzt zu tun? (Mitteilung des Pflanzenschutzamtes.) Württ. Wochenbl. Landw. 118. 1951, 489.
- Weaver, C. R.**, The seasonal behavior of meadow spittle-bug and its relation to a control method. [Philaenus leucophthalmus] J. econ. Ent. 44. 1951, 350—353, 2 fig.
- Wheeler, E. H.**, Japanese beetle (Popillia japonica), lawn and garden enemy No. 1. Massachusetts. Univ. Agric. Ext. Spec. Circ. 182. 1951, 3 p.
- Zhukovskii, A. V., and Selivanova, S. N.**, (Peculiarities of the biology of stem moth (Ochsenheimeria sp.), a pest of winter wheat plantings and cereal fodder grasses.) Vsesoiuzn. Akad. Sel'skhoz. Nauk Dokl. 16. 1951, nr. 2, p. 32—34.
- Anleitung zur Tipula-Bekämpfung.** Vorl. Landw.-kammer Weser-Ems (Pflanzenschutzamt), Oldenburg 1951. 4 S., 5 Abb., 1 Taf.
- Corbié (Oncopera intricata)** control — preliminary recommendation. [insect pest of pastures] Tasmanian J. Agric. 22. 1951, 29—30.
- Nieuw wapen tegen emelten.** [Tipula] Landbode 5. 1951, nr. 9.
- Wie ist die Engerlingsbekämpfung auf Dauerwiesen durchzuführen?** (Mitteilung des Pflanzenschutzamtes.) Württ. Wochenbl. Landw. 118. 1951, 88.

Virus

- McKinney, H. H., and Fellows, H.**, Wild and forage grasses found to be susceptible to the wheat streak-mosaic virus. Plant Dis. Repr. 35. 1951, 441—442.

5. Handelspflanzen Commercial plants — Plantes du commerce

a. Tabak

Tobacco — Tabac

Allgemeiner Teil

General part — Partie générale

Garriss, H. R., Tobacco diseases challenge farmers. Carolina Farmer 6. 1951, nr. 10, p. 9, 23.

Garriss, H. R., What disease does your tobacco have? Progr. Farmer (Carolinas-Virginia Ed.) 66. 1951, nr. 6, p. 18, 95.

Hunt, R., New varieties stop diseases. Progr. Farmer (Kentucky-Tennessee-West Virginia Ed.) 66. 1951, nr. 2, p. 122—123.

Koch, L. W., Methyl bromide as a soil fumigant for disease, insect, and weed control in tobacco and vegetable seed beds. Down to Earth 7. 1951, 1—2.

Koch, L. W., and Stover, R. H., Tobacco diseases and the present status of their investigation in Canada. Lighter (Dept. Agric. Canada) 21. 1951, 10—15.

Kotte, W., Krankheiten und Schädlinge des Tabaks. Gesunde Pflanzen 3. 1951, 3—9, 6 Abb.

Milton, R. H., Sterilize tobacco bed site in the fall. Kentucky Farmer 87. 1951, nr. 10, p. 18, 20, 25.

Morgan, O. D., Tobacco disease control chart for Maryland. Maryland agric. Coll. Ext. Misc. Ext. Publ. 4. 1951, Poster.

Morgan, O. D., Weaver, L. O., and Bissell, T. L., Stop disease and insect damage in tobacco plant beds. Maryland agric. Coll. Ext. Fact Sheet 10. 1951, 4 p.

Nusbaum, C. J., Diseases are ganging up on your tobacco crop. Res. and Farmg. (North Carolina). 10. 1951, Progr. Rept. nr. 1, p. 8—9, 2 fig.

Schneider, E. O., and Beach, W. S., Practices used on tobacco seedbeds. Pennsylv. agric. Exp. Stat. Progr. Rept. 48. 1951.

Smith, A. J., and Van der Merwe, G., Control of insect pests and plant diseases in tobacco seedbeds. Farming South Afr. 26. 1951, 315—316.

Stover, R. H., and Koch, L. W., Methyl bromide as a soil fumigant for controlling diseases and weeds in tobacco seedbeds. Proc. canad. phytopath. Soc. nr. 19. 1951, 19.

Street, O. E., Fumigating tobacco seedbeds with methyl bromide. Maryland agric. Coll. Ext. Fact Sheet 5. 1951, 2 p.

Tirelli, M., Contributo alla conoscenza delle enazioni del tabacco. Tabacco 55. 1951, 179—210.

Nichtparasitäre Krankheiten

Diseases not caused by parasites

Maladies non parasitaires

Ciferri, R., e Marcelli, E., Azione tossica di una zeolite mercurica sui germinelli di tabacco. Not. Mal. Piante nr. 14. 1951, 11—16. — Tabacco 55. 1951, 58—63.

Clayton, E. E., and McMurtrey jr., J. E., Mineral deficiency diseases in tobacco plants — and how to prevent them. Rhodesian Tobacco J. 3. 1951, nr. 7, p. 50—60, 63.

Gigante, R., Alterazioni dovute ad eccessi di temperatura in piantine di tabacco nei semenzai del Leccese. Boll. Staz. Pat. veg. 9 (3. ser.). 1951, 83—92, 8 fig. — Tabacco 55. 1951, 103—112.

Gori, C., Effetti del γ 2, 4-D α in piccolissime dosi su piante di tabacco. Agric. Ital. (Tornar-Pisa) 51. 1951, 56—60.

Husband, A. D., Rhodesia. Abstract report of the chief chemist. Boron trials (with tobacco). Rhodesian agric. J. 48. 1951, 453.

Kehr, A. E., Genetische Tumoren bei Tabakpflanzen. Amer. Naturalist 85. 1951, 51—64.

Makarewskaja, J. A., (Allgemeine Reaktionen in den Pflanzen bei verschiedenen schädigenden Einwirkungen.) (Ber. Akad. Wiss. USSR.) n. ser. 78. 1951, 791—794.

Schmid, K., Über die Wirkung des Spurenelementes Bor auf Ertrag und Qualität des Tabaks. Tabak-Forsch. (Beil. Süddtsch. Tabakzeitg.) Nr. 5. 1951, 1—4.

Volodarskiĭ, N. I., (Chlorosis of tobacco tops caused by nitrogen deficiency.) Dokl. Akad. Nauk USSR. 80. 1951, 833—836.

Pflanzliche Feinde

Vegetal parasites — Parasites végétaux

Anderson, P. J., and Swanbeck, T. R., Fumigation of tobacco soils in the seedbed and in the field. Connecticut agric. Exp. Stat. Bull. 542. 1951, 23 p., 10 fig.

Bauer, A. H., Black shank on tobacco in Pennsylvania. Plant Dis. Repr. 35. 1951, 56.

Braun, A. C., Recovery of crown-gall tumor cells. [Bacterium tumefaciens on tobacco] Cancer Res. 11. 1951, 839—844, 4 tab.

Ciccarone, A., and Middleton, J. T., Two species of Pythium recorded from Venezuela. Plant Dis. Repr. 35. 1951, 387.

- Clayton, E. E., Heggstad, H. E., Grosso, J. G., Bowman, D. R., and Schneider, E. O., Breeding behavior and growth responses resulting from the transfer of wildfire resistance from *Nicotiana langiflora* to *N. tabacum*. *Phytopathology* 41. 1951, 7.
- Diachun, St., and Troutman, J., Multiplication of *Bacterium tabacum* in leaves of *Nicotiana longiflora*. *Phytopathology* 41. 1951, 10.
- Fenne, S. B., Better control for blue mold; spraying or dusting the tobacco plant bed to control blue mold is a must this year. *South. Planter* 112. 1951, nr. 3, p. 26—27.
- Garriss, H. R., Wildfire and blue mold — you can't cure, you can prevent. [protecting tobacco plantbeds] *Progr. Farmer* (Carolinas-Virginia Ed.) 66. 1951, nr. 3, p. 19, 146, 149.
- Garriss, H. R., and Bennett, R. R., How to avoid black shank. [Phytophthora] *Carolina Co-op.* 29. 1951, nr. 12, p. 13, 28, 31.
- Gigante, R., Malattie infettive delle piantine di tabacco nei semenzai del Leccese. [Pseudomonas tabaci (Bact. tabacum) e virus] *Boll. Staz. Pat. veg., Roma*, 9 (3. ser.). 1951, 93—109, 11 fig. — *Tabacco* 55. 1951, 147—163.
- Heggstad, H. E., and Clayton, E. E., Burley 1, a new black root rot resistant tobacco. *Tennessee agric. Exp. Stat. Circ.* 106. 1951, 4 p.
- Hill jr., G. D., Klingman, G. C., and Woltz, W. G., Methyl bromide as a tobacco plant bed herbicide. *Down to Earth* 7. 1951, nr. 3, p. 14—15.
- Holdeman, Q. L., Tobacco stem rot of transplants and barn rot caused by *Pythium aphanidermatum*. *Phytopathology* 41. 1951, 17.
- Hunt, R., Blackshank can be stopped. *Progr. Farmer* (Kentucky-Tennessee-West Virginia Ed.) 66. 1951, nr. 12, p. 19, 120.
- Hunt, R., Fight, fight, fight; don't let wildfire and other leafspot diseases get the best of you. Fight them at their source. Follow the plan recommended. *Progr. Farmer* (Kentucky-Tennessee-West Virginia Ed.) 66. 1951, nr. 4, p. 22, 133.
- Mathrani, D. I., Elias, N. A., and Kadam, B. S., »Chitri« disease of tobacco in Gujerat. [Fusarium oxysporum nicotianae] *Indian Tobacco* 1. 1951, 148—153.
- Milton, R. H., USDA-Tennessee Burley 1. [root rot resistant tobacco variety] *Progr. Farmer* (Kentucky-Tennessee-West Virginia Ed.) 66. 1951, nr. 9, p. 19.
- Morgan, O. D., Black shank is threatening Maryland tobacco. *Maryland agric. Coll. Ext. Fact Sheet* 11. 1951, 2 p.
- Morgan, O. D., and Weaver, L. O., Black shank of tobacco. *Maryland agric. Coll. Ext. Misc. Ext. Publ.* 3. 1951, 3 p.
- Nusbaum, C. J., The distribution of tobacco black shank in North Carolina in 1949 and 1950. [Phytophthora parasitica var. nicotianae] *Plant Dis. Repr.* 35. 1951, 358—360, 1 fig.
- Nusbaum, C. J., The occurrence of tobacco anthracnose in North Carolina. [Colletotrichum sp.] *Plant Dis. Repr.* 35. 1951, 276.
- Shepherd, C. J., Wildfire: local research progress. *Rhodesian Farmer* 5. 1951, nr. 2, p. 19.
- Steinberg, R. A., Amino acid toxicities to tobacco varieties differing in resistance to black root-rot. [Thielaviopsis basicola] *Bull. Torrey bot. Club* 78. 1951, 227—232.
- Steinberg, R. A., Occurrence of *Bacillus cereus* in Maryland soils with frenched tobacco. *Plant Physiol.* 26. 1951, 807—811.
- Stover, R. H., and Koch, L. W., The epidemiology of blue mold of tobacco and its relation to the incidence of the disease in Ontario. [Peronospora tabacina] *Sci. Agric., Ottawa*, 31. 1951, 225—252, 6 fig.
- Tanaka, I., (On the osmotic pressure of tobacco varieties having resistivity to bacterial wilt.) *Kyushu Noji Shikinjō* 8. 1951, 105.
- Ternovskii, M. F., (Unsusceptibility to powdery mildew (Erysiphe cichoracearum) of tobacco vegetative hybrids.) *Dokl. Akad. Nauk USSR.* 80. 1951, 437—440.
- Tusmagari, H., (Problems on the transference of anthracnose leaf-spot (Tabako Tanso Byo) with seed.) *Kyushu Noji Shikinjō* 8. 1951, 103—104.
- Valleau, W. D., Longevity of the tobacco black shank fungus in the soil in the absence of tobacco. [Phytophthora parasitica var. nicotianae] *Plant Dis. Repr.* 35. 1951, 453—454.
- Valleau, W. D., A program for control of black shank based on a new conception of the life history of the fungus. [Phytophthora parasitica] *Kentucky agric. Exp. Stat. Bull.* 576. 1951, 24 p.
- Valleau, W. D., and Troutman, J. L., A review of the wildfire problem in Kentucky tobacco. [Pseudomonas tabacum] *Kentucky agric. Exp. Stat. Bull.* 570. 1951, 8 p.
- Vidali, A., Esperienze di lotta contro l'oidio del tabacco (Erysiphe cichoracearum) effettuate in campo a mezzo di carbonato di litio. (Experiments on the control of tobacco Oidium (Erysiphe cichoracearum) in the field by means of lithium carbonate.) *Not. Mal. Pianta* nr. 16. 1951, 35—39.
- Vidali, A., e Ciferri, R., Esperienze di lotta contro l'oidio del tabacco (Erysiphe cichoracearum) a mezzo di tiosolfato e sali di litio. (Experiments on the control of tobacco mildew (Erysiphe cichoracearum) by means of thiosulphate and salts of lithium.) *Tabacco* 55. 1951, nr. 620, p. 95—102. — *Not. Mal. Pianta* nr. 14. 1951, 33—34.

- Un avvizzimento del tabacco causato da »Fusarium«. Boll. Staz. Pat. veg., Roma, 7 (1949) (ser. 3). 1951, 113—118, 5 fig.
- Feu sauvage du tabac. [Pseudomonas tabaci] Rev. rom. Agric., Vitic., Arboric. 7. 1951, 55, 1 fig.
- Tierische Feinde**
Animal parasites — Parasites animaux
- Anderson, P. J., Control of tobacco nematodes by soil fumigation. Phytopathology 41. 1951, 657.
- Blunck, H., Thrips tabaci als Tabakschädling in der Türkei. Verh. dtsch. Ges. angew. Ent. e. V. 11. Mitgl.vers. München 2.—4. 10. 1949. 1951, 18—36.
- Bunzli, G. H., and Buttiker, W. W. G., Control of whitegrubs and false wireworms. I. Rhodesian Farmer 5. 1951, nr. 3, p. 21, 27; nr. 4, p. 19, 29.
- Chaboussou, M. F., Les insectes souterrains nuisibles au tabac. Tarn-et-Garonne Agric. 14. 1951, 66.
- Clark, F., and Myers, J. M., Fumigation and equipment for nematode control in soils for fluecured tobacco. Florida agric. Exp. Stat. Circ. S-27. 1951, 11 p.
- Daulton, R. A. C., and Stokes, W. M., High frequency electric currents kill eelworm. Rhodesian Tobacco J. 3. 1951, nr. 6, p. 108—109, 121.
- Dimitrov, Z., (Combating the tobacco thrips (Bela jila), Thrips tabaci Lind. (J. sci.-exp. Inst. Minist. Agric.), Sofia, 19. 1951, nr. 1, p. 73—76.
- Dobrovsky, T. M., Insects cost tobacco farmers millions of dollars each year. Patron 11. 1951, nr. 12, p. 6.
- Dominick, C. B., Tests with insecticides for hornworm control on tobacco. [Protoparce sexta, P. quinque-maculata] J. econ. Ent. 44. 1951, 539—541.
- Ghidini, G. M., (Insects parasitic on tobacco in the field.) Riv. Fitosanit. 2. 1951, nr. 4, p. 25—35.
- Graham, T. W., Nematode root rot of tobacco and other plants. South Carolina agric. Exp. Stat. Bull. 390. 1951, 25 p., fig., tab.
- Haessler, G. J., Tobacco insect control suggestions. Agric. Chem. 6. 1951, nr. 4, p. 59, 61, 109—110.
- Jones, G. D., New rules for controlling tobacco insects. Progr. Farmer (Carolina-Virginia Ed.) 66. 1951, nr. 5, p. 62.
- Kadam, B. S., and Murty, B. R., Preliminary observations on the control of ground beetle of tobacco. [Opatroides frater, Scleron latipes] Indian Tobacco 1. 1951, 233—236.
- Lownsbury, B. F., Tobacco attacked by a species of Heterodera in Connecticut. U.S. Bur. Ent., Plant Quar. Coop. econ. Insect Rept., Spec. Rept. 1. 1951, 59—61.
- Manson, G. F., Tobacco insect report for 1950—51. Lighter (Dept. Agric. Canada) 21. 1951, nr. 2, p. 11—19.
- Martin, G. C., Ethylene dibromide proves itself in eelworm campaign. Rhodesian Tobacco J. 3. 1951, nr. 6, p. 70—78, 107.
- Matwejenko, T. M., (Anwendung von DDT bei Bekämpfung der Zikade.) Tabak 12. 1951, Nr. 3, S. 50—51.
- Michel, E., Emploi des insecticides de synthèse dans la lutte contre le »ver jaune« et le »ver gris«. In: World Tobacco Congr., Amsterdam, 1951, 38—41.
- Michel, E., Lutte contre le ver jaune; influence du H.C.H. sur le rendement en poids. Ann. Inst. Exp. Tabac 1. 1951, nr. 2, p. 163—166.
- Milton, R. H., Destroy tobacco insects before they damage the crop. Kentucky Farmer 87. 1951, nr. 7, p. 4, 28, 30.
- Quidet, P., La destruction des parasites animaux du tabac. Ingén. Agron. nr. 6. 1951, 45—46.
- Rollin, L., Lutte contre les sautèrelles autochtones causant des dégâts aux cultures de tabac. Rev. int. Tabacs 26. 1951, 219—221.
- Sasser, J. N., Population dynamics of nematode parasites of tobacco in certain crop rotations. Phytopathology 41. 1951, 31.
- Stover, R. H., Some methods and problems in the study of nematode root rot of tobacco in Ontario. Phytopathology 41. 1951, 34.
- Tenhet, J. N., and Bare, C. O., Source and control of infestation of tobacco by insects. West. Tobacco J. 78. 1951, nr. 46, p. 14, 18.
- Tirelli, M., (On the use of benzene hexachloride in the control of parasites of tobacco.) Tobacco (ital.) 55. 1951, 164—167.
- Townes, H., and Dobrovsky, T. M., Tobacco insect control in North Carolina. North Carolina agric. Coll. Ext. Circ. 351 (rev.). 1951, 8 p.
- Van der Laan, P. A., Bestrijding van de dikbuikmot van de tabak met Derris. [Phthorimaea heliopa] Landbouw 22. 1950, 258—266. — Bergcultures 19. 1950, 235—241.
- Woodruff, N., Control of cutworms and aphids on tobacco. [DDT] J. econ. Ent. 44. 1951, 322—324.
- Insecticides for flue-cured tobacco. Georgia Coastal Plain Exp. Stat. Mimeogr. Paper 71. 1951, 2 p.
- Insect pests of tobacco. [Listroderes obliquus, cutworms, Gnorimoschema operculella, G. heliopa, camel grub (Plusia spp.), Heliothis armigera] New South Wales Dept. Agric. Insect Pest Leaflet. 102. 1951, 4 p.

Virus

- Alcaraz, E.**, Variétés de tabac résistantes à la mosaïque ordinaire. In: World Tobacco Congr., Amsterdam, 1951, 112—117.
- Alexander, L. J.**, Effect of tobacco-mosaic disease on yield of tomato. *Phytopathology* 41. 1951, 1.
- Bald, J. G., and Hammack, M.**, Differentiation of some tobacco mosaic strains occurring naturally in tobacco. *Phytopathology* 41. 1951, 935.
- Baumgart, R. W.**, (Hibernation of tobacco mosaic and measures for its control.) *Rev. Agron., Porto Alegre*, 15. 1951, 106—108.
- Bergmann, M. E.**, Microscopic studies of inclusion bodies found in plants infected with tobacco mosaic virus. *Science, Lancaster*, 113. 1951, 415—417.
- Burger, W. C., and Stahmann, M. A.**, The combination of lysine polypeptides with tobacco mosaic virus. *J. biol. Chem.* 193. 1951, 13—22.
- Chamberlin, F. S.**, Aphid trap records in relation to green peach aphid (*Myzus persicae*) infestations in shade-grown tobacco. *Florida Ent.* 34. 1951, 6—8.
- Commoner, B., and Mercer, F.**, Inhibition of the biosynthesis of tobacco mosaic virus by thiouracil. *Nature, London*, 168. 1951, 113—114.
- Cordón, F. M.**, Transmisión del «beta virus 2» a plantas de *Nicotiana tabacum*, con un resumen previo de las principales virosis de la remolacha. *Microbiol. Españ.* 4. 1951, 169—181.
- Cuzin, J., et Schwartz, D.**, Contribution à l'étude des viroses du tabac: méthode épidémiologique technique et premiers résultats. In: World Tobacco Congr., Amsterdam, 1951, 118—126.
- Cuzin, J., Schwartz, D., et Breton, C.**, Réaction allergique d'une variété de *Nicotiana tabacum* vis-à-vis de la mosaïque du tabac. *Ann. Inst. Pasteur, Paris*, 81. 1951, 300—305.
- Feinstein, L., and Hannan, P. J.**, Effect of green peach aphid damage on the nicotine content of tobacco. *J. econ. Ent.* 44. 1951, 267.
- Fulton, R. W.**, The reinfection of mosaic leaves of *Nicotiana sylvestris* by other strains of tobacco-mosaic virus. *Phytopathology* 41. 1951, 13.
- Gigante, R.**, Malattie infettive delle piantine di tabacco nei semenzai del Leccese. [*Pseudomonas tabaci* (Bact. tabacum) e virus] *Boll. Staz. Pat. veg., Roma*, 9 (ser. 3), 1951, 93—109, 11 fig. — *Tabacco* 55. 1951, 147—163.
- Goldin, M. I., and Nazarevna, M. Z.**, (Reaction of *Cyphomandra betacea* to tobacco mosaic and streak viruses.) *Microbiology (russ.)* 20. 1951, 340—342, 1 fig.
- Hirth, L.**, Contribution à l'étude de l'inhibition du virus de la mosaïque du tabac par diverses substances tanniques. Mode d'action de ces dernières. *Ann. Inst. Pasteur* 80. 1951, 458—469.
- Hitier, H.**, Obtention de tabacs résistants à la mosaïque à partir d'hybrides interspécifiques de *Nicotiana*. In: World Tobacco Congress, Amsterdam, 1951, 127—132.
- Hutton, E. M.**, An age-induced variation in susceptibility to virus X in *Nicotiana tabacum* L. *Austr. J. sci. Res., Ser. B (Biol. Sci.)*, 4. 1951, 450—460.
- Johnson, J.**, Tobacco mosaic virus mutation. *Science* 114. 1951, 239—240.
- Koenig, H. J.**, Kennzeichen (Symptome) der Viruskrankheiten an Tabakpflanzen. *Tabak-Forschung (Wiss. Beil. Süddtsch. Tabakzeitg.)* 1951, Nr. 6, 4 S.
- Meneghini, M., and Delwiche, C. C.**, The multiplication of tobacco mosaic virus in the host tobacco plant. *J. biol. Chem.* 189. 1951, nr. 1, p. 177—186, 1 fig.
- Morgan, O. D., and McKinney, H. H.**, A disease of Maryland broadleaf tobacco with symptoms similar to leaf-curl symptoms. *Phytopathology* 41. 1951, 564.
- Newton, N.**, Some effects of high-intensity ultrasound on tobacco mosaic virus. *Science* 114. 1951, 185—186.
- Oster, G.**, The isoelectric points of some strains of tobacco mosaic virus. *J. biol. Chem.* 190. 1951, nr. 1, p. 55—59, 2 fig.
- Pollard, E., and Dimond, A. E.**, The effect of primary ionization on tobacco mosaic virus. *Physiol. Rev.* (2nd ser.) 82. 1951, 302.
- Ryzhkov, V. L.**, (Effect of amino acids and related compounds on the reproduction of tobacco mosaic virus.) *Dokl. Akad. Nauk USSR*. 80 (n. ser.). 1951, 677—680.
- Ryzhkov, V. L., and Loidina, G. I.**, (Sensitivity to the virus and accumulation of tobacco mosaic virus (VTM) by leaves of different ages.) *Mikrobiologiya (russ.)* 20. 1951, 519—524, 1 fig.
- Schachman, H. K.**, Ultracentrifuge studies on tobacco mosaic virus. *J. amer. chem. Soc.* 73. 1951, 4808—4811, 3 fig.
- Schwartz, D., et Cuzin, J.**, Faible susceptibilité d'une variété de *Nicotiana tabacum* vis-à-vis de la mosaïque du tabac. *Ann. Inst. Exp. Tabac* 1. 1951, nr. 2, p. 167—178.
- Schwartz, D., Cuzin, J., et Renier, A.**, Influence des conditions d'éclairement du semis sur le taux de mosaïques dans une culture en plein champ. *Ann. Inst. Exp. Tabac* 1. 1951, nr. 2, p. 179—186.
- Sharp, D. G., and Wolf, F. A.**, The virus of tobacco leaf curl. II. *Phytopathology* 41. 1951, 94—98, 1 fig.
- Stahmann, M. A., Graf, L. H., Patterson, E. L., Walker, J. C., and Watson, D. W.**, The inhibition of tobacco mosaic virus by synthetic lysine polypeptides. *J. biol. Chem.* 189. 1951, nr. 1, p. 45—52.

- Stover, R. H., A strain of tobacco mosaic virus causing vascular necrosis and wilt of tobacco in Ontario. *Sci. Agric.*, Ottawa, 31. 1951, 424—428, 6 fig.
- Stover, R. H., Tobacco etch virus in Ontario. *Canad. J. Bot.* 29. 1951, 235—245, 4 tab.
- Ternovskii, M. F., (Change in resistance to tobacco mosaic as the result of vegetative hybridization.) *Dokl. Akad. Nauk USSR.* 79. 1951, 517—520.
- Valleau, W. D., Tobacco ring-spot virus: the cause of eggplant yellows. *Phytopathology* 41. 1951, 209—212.
- Van der Want, J. P. H., Reaction of some *Nicotiana* species to tobacco rattle virus. In: *World Tobacco Congr.*, Amsterdam, 1951, 133—139.
- Weber, P. V. V., Inheritance of a necrotic-lesion reaction to a mild strain of tobacco mosaic virus. *Phytopathology* 41. 1951, 593—609, 4 fig.
- Williams, R. C., Backus, R. C., and Steere, R. L., Macromolecular weights determined by direct particle counting. II. The weights of the tobacco mosaic virus particle. *J. amer. chem. Soc.* 73. 1951, 2062—2066.
- Williams, R. C., and Steere, R. L., Electron microscopic observations on the unit of length of the particles of tobacco mosaic virus. *J. amer. chem. Soc.* 73. 1951, 2057—2061, 2 fig.
- ### b. Faserpflanzen
- #### Fibre-plants — Plantes à fibre
- Åberg, E., (Recent experiences as to weed-killing in fibre flax.) *Lin* 5. 1951, 33—35.
- Anselme, C., Rapport de la Station Centrale de Pathologie végétale de Recherches agronomiques sur les maladies du lin. *Déf. Agric. Beauce Perche* 48. 1951, 165—166.
- Arle, H. F., and Cords, H. P., Weed control in flax. *Progr. Agric. Arizona* 2. 1951, nr. 4, p. 9.
- Armstrong, J. K., and Armstrong, G. M., Physiological races of the *Crotalaria* wilt *Fusarium*. *Phytopathology* 41. 1951, 714—721, 1 fig.
- Basu, S. N., and Bhattacharyya, J. P., Mildew of complex vegetable fibres. *J. sci. ind. Res.* 10 B. 1951, 91—93.
- Blackman, G. E., Holly, K., and Cox, E. G., Studies in selective weed control. IV. The control of weeds in fibre flax. *J. agric. Sci.* 41. 1951, 322—337.
- Boyce, S. W., Boyce, W. R., Chamberlain, E. E., Cumber, R. A., Fry, P. R., Matthews, R. E. F., Newhook, F. J., and Strzeminski, K., Preliminary note on yellow-leaf disease of *Phormium*. *New Zealand J. Sci., Techn. (A)* 33. 1951, nr. 3, p. 76—77.
- Chowdhury, S., Linseed rust in Assam. [*Melampsora lini* on flax] *Plant Prot. Bull.*, New Delhi, 3. 1951, nr. 4, p. 119.
- Christensen, J. J., and Michaelson, M. E., Disease of cereals and flax in Minnesota. *Minnesota Seed Grower* 24. 1951, nr. 4, p. 1, 3.
- Clara, F. M., and Castillo, B. S., Leaf spot of ramie, *Boehmeria nivea* (Linn.) Gaudich. *Philippine J. Agric.* 15 (1950). 1951, 9—21.
- Cruickshank, I. A. M., Resistance of linseed and linen-flax varieties to flax rust (*Melampsora lini*) in New Zealand. Part II. *New Zealand J. Sci., Techn. (A)* 33. 1951, nr. 2, p. 62—64.
- Das Gupta, N. N., De, M. L., and Raychaudhuri, S. P., Structure of sannhemp (*Crotalaria juncea* Linn.) mosaic virus with the electron microscope. *Nature*, London, 168. 1951, 114.
- Fabbri, A., (Experimental research on hall injuries to flax.) *Genio Rur. (ital.)* 14. 1951, 473—476.
- Flor, H. H., Genes for resistance to rust in Victory flax. [*Melampsora lini*] *Agron. J.* 43. 1951, 527—531.
- Frederiksen, P. S., (Investigations on chemical weed-control in fibre flax.) *Lin* [danish] 5. 1951, 49—59.
- Friederich, J. C., Chemische onkruidbestrijding in vezelen olievlas. (Results of weed control trials in linseed and flax by selective herbicides.) *Nederl. Vlasinst. Meded.* 16. 1951, 22 p.
- Friederich, J. C., Chemische onkruidbestrijding in vezelvlas. (Chemical weed control of flax.) *Nederl. Vlasinst. Vugschr.* 6. 1951, 4 p.
- Friederich, J. C., (Pest control in the culture of flax.) *Nieuwe Veldbode* 17. 1951, 387.
- Friederich, J. C., (Weed control experiments in fibre flax and linseed.) *Versl. Centr. Inst. landb.kdg. Onderz.* 1951, 109—111.
- Froier, K., and Zienkiewicz, H., (Chemical weed-killing in fibre flax.) *Lin* [danish] 5. 1951, 38—42.
- Ghillini, C. A., I parassiti nemici vegetali della canapa. (Virulent plant parasites of hemp.) *Not. Mal. Piante* nr. 15. 1951, 29—36.
- Gosh, T., and Basak, M., Chlorosis in jute. [in India] *Sci. and Cult.* 17. 1951, 262—264.
- Hallemaans, A., (Note on the use of organic herbicides on flax.) *Cult. en Handel* 17. 1951, 354—355.
- Hawn, E. J., and Vanterpool, T. C., The perfect stage of *Rhizoctonia solani* from flax. *Proc. canad. phytopath. Soc.* nr. 19. 1951, 16 (Abstr.).
- Katsura, K., (Notes on two new diseases of Chinese jute (*Abutilon avicennae* Gaert.)) [*Colletotrichum pehkinsensis*, *Tubercularia abutilonis*] (*Forsch. Pfl.-krankh.*), Kyoto, 4. 1951, 103—106, 2 fig.
- Kolk, H., Om sjukdomar på linutsäde av 1949 års skörd och betningens inverkan på dessa. [Flachs] *Meddel. Stat. Centr. Frökontr.anst., Stockholm*, nr. 26. 1951, 52—63.

- Kolk, H.**, Sjukdomar hos linutsäde. [Krankheiten an Leinsaat] Lantmannen 1951, 341—342.
- Kommedahl, T.**, Some factors affecting wilt in a flax-wilt nursery. Phytopathology 41. 1951, 22.
- Lachance, R. O.**, Antagonisme des microorganismes du sol envers le Colletotrichum linicola, agent de l'anthracnose du lin. Canad. J. Bot. 29. 1951, 438—449.
- Larsen, A.**, (Weed control in fibre flax.) Lin (danish) 5. 1951, 79—80.
- Loneragan, J. F.**, The effect of applied phosphate on the uptake of zinc by flax. Austr. J. sci. Res. (ser. B) 4. 1951, 108—114.
- Lušin, V.**, Antraknoza lana Colletotrichum lini (Manns et Bolley). Biljne proizvodnje, Zagreb, br. 4. 1951, 7 p.
- McKnight, T.**, Pasmus disease of linseed. [Sphaerella linorum] Queensland agric. J. 72. 1951, 94—96, 2 fig.
- Mehta, T. R.**, and **Mital, S. P.**, Linseed breeding in Uttar Pradesh. [Melampsora lini] Agric. Anim. Husb., Uttar Pradesh, 2. 1951, 8—11, 2 fig.
- Mezzetti, A.**, Cancri del fusto della canapa prodotti dall'anguillula »Ditylenchus dipsaci«. [Cannabis] Inform. Fitopat., Bologna, nr. 4, 1951, 6—8, 2 fig.
- Mezzetti, A.**, (Some changes in hemp occurring during the last growing season.) [nematodes, Macrophomina phaseolina] Bologna Univ. Cent. Studi Ric. Lavor., Colt., Econ. Canapa Quaderni 11. 1951, 18 p.
- Millikan, C. R.**, Diseases of flax and linseed. [fungi] Victoria Dept. Agric. (Biol. Br.) Techn. Bull. 9. 1951, 140 p., 96 fig.
- Minerbi, G.**, Osservazioni su canapa mozzata, defogliata e ferita artificialmente. Not. Mal. Piante nr. 17. 1951, 63—68.
- Muskett, A. E.**, The seed-borne pathogens of flax and their control. Proc. 2. int. Congr. Crop Prot. ? 1951, 297—303.
- Nema, K. G.**, and **Mahmud, K. A.**, Powdery mildew (Oidium sp.) on Crotalaria retusa Linn. Sci. and Cult., Calcutta, 17. 1951, nr. 1, p. 36.
- Nickl-Navrdil, H.**, Beobachtungen und Untersuchungen über den Erreger der Flachsbräune (Polyspora lini Lafferty). Faserforsch. u. Textiltechn. 2. 1951, 453—455.
- Olson, P. J.**, Control of weeds in field crops: Flax. North Centr. Weed Control Conf. Res. Rept. 7 (1950). 1951?, 85—95.
- Petersen, H. I.**, (Weed-killing with chemical products in fibre flax.) Lin [danish] 5. 1951, 35—38.
- Roy, T. C.**, Investigations on the effect of seed treatment of flax (Linum usitatissimum L.) in Bengal. Indian Phytopath. 4. 1951, 116—118.
- Sackston, W. E.**, Effect of pasmo disease of flax on the yield and quality of linseed oil. Canad. J. Bot. 29. 1951, 339—351.
- Sackston, W. E.**, Flax diseases. Proc. canad. Barley, Oil Seeds Conf. 1951, 51—53.
- Sackston, W. E.**, Flax diseases, flax varieties, and cultural practices. Proc. Flax Inst. USA 1951, 3 p.
- Sackston, W. E.**, Flax diseases in Manitoba in 1950. Canad. Plant Dis. Surv. 30. 1951, 36—37.
- Sackston, W. E.**, and **Carson, R. B.**, Effect of pasmo disease [Septoria linicola] of flax on the yield and quality of linseed oil. Canad. J. Bot. 29. 1951, 339—351, 4 fig.
- Simmonds, P. M.**, The disease resistance of recommended varieties of cereals and flax for Manitoba, Saskatchewan and Alberta. Dom. Lab. Plant Path., Saskatoon, 1949, mimeogr. Circ. (rev. ed.).
- Stapel, Ch.**, (Notes on two serious insect pests in flax.) [Thrips angusticeps, Longitarsus parvulus, Aphthorina euphorbiae] Lin 5. 1951, 43—45.
- Streets, R. B.**, Wilt-resistant flax. Progr. Agric. Arizona 3. 1951, nr. 3, p. 8.
- Wallen, V. R.**, and **Skolko, A. J.**, A comparison of seed testing methods in relation to the stembreak and browning disease of flax, caused by Polyspora lini Laff. Canad. J. Bot. 29. 1951, 138—142, 1 tab.
- Report on the results of own and interprovincial experiences in 1950 about chemical weed-fighting in fiber- and oilflax.** Meded. nederl. Vlasinst., Wageningen, nr. 16. 1951, 24.

c. Hopfen Hop — Houblon

- Andersen, K. Th.**, Temperatur und Feuchtigkeit als Faktoren der Lebensdauer überwinternder Larven des Zünslers Pyrausta nubilalis Hübn. und Thigmotaxis, Phototaxis und Hygrophilie als ökologische Faktoren. Ztschr. angew. Ent. 33. 1951, 162—168, 3 Abb.
- Andersen, K. Th.**, Der Zünsler Pyrausta nubilalis Hübn. als Hopfenschädling. Verhandl. dtsh. Ges. angew. Ent. 11. Mitgl.versammlg. München 2.—4. 10. 1949 (P. Parey, Berlin). 1951, 176—180.
- Askew, H. O.**, and **Monk, R. J.**, Boron in the nutrition of the hop. Nature, London, 167. 1951, nr. 4261, p. 1074—1075, 1 fig.
- Blatný, Osvald, Kučera, Franěk et Bergman**, (La lutte contre le puceron du houblon (Phorodon humuli Schnrk.)) Šborník českosl. Akad. Zeměd., Praha, 23. 1951, 280—294.
- Gouin, F.**, Die Engerlingsbekämpfung: erste Maßnahmen der Schädlingbekämpfung im Hopfenbau. Bas-Rhin agric. (France) 6. 1951, 187.

Hixson, E., Grasshoppers on the hop. Nebraska Farmer 93. 1951, nr. 6, p. 12.

Keyworth, W. G., Some aspects of hop research in England. [Verticillium wilt] Brewers Digest 26. 1951, nr. 6, p. 54 (Abstr.).

Keyworth, W. G., Split leaf blotch disease of the hop (*Humulus lupulus*). [virus] J. hort. Sci. 26. 1951, 163—168, 2 tab.

Klostermeyer, E. C., and **Breakey, E. P.**, Control of hop aphids (*Phorodon humuli*) and mites. Washington State Coll. Ext. Mimeogr. 1041. 1951, 1 p.

Le May, D. G., The 1950 hop crop. [diseases] J. Inst. Brewing n. ser. 48. 1951, 117—119.

Richardson, L. T., and **MacLachlan, D. S.**, The control of downy mildew of hops in eastern Ontario. [Pseudoperonospora humuli] Sci. Agric., Ottawa, 31. 1951, 345—348.

Ripper, W. E., Insect control and the new systemic insecticide for hops. [Pestox 3] J. Inst. Brewing 57. 1951, 119—122.

Salmon, E. S., »Bramling Cross«, a new hop resistant to Verticillium-wilt. Pamphl. Wye Coll., Kent, 1951, 4 p., 2 fig.

Schwaebel, F. X., Zur Bekämpfung der Hopfenspinnmilbe. Hopfen-Rundschau Sept. 1951, 2 S.

Yarwood, C. E., Hop cankers. Plant Dis. Repr. 35. 1951, 361—363, 1 fig.

Zattler, F., Neues aus der Tätigkeit des Hopfenversuchsgutes Hüll: Innertherapeutische Schädlingbekämpfung beim Hopfen. Dtsch. Brauw. 60. 1951, 214—216.

Zattler, F., Versuche mit Systox und anderen innertherapeutischen Mitteln gegen Rote Spinnmilben und Blattläuse bei Hopfen. Höfchen-Briefe, Leverkusen, 4. 1951, 131—169, 2 Abb.

d. Ölpflanzen

Oleiferous plants — Plantes oléifères

Allgemeiner Teil

General part — Partie générale

Nolte, H.-W., Beobachtungen über Ölfruchtschädlinge. Verhandl. dtsh. Ges. angew. Ent. 11. Mitgl.ver-samm. München 2.—4. 10. 1949 (P. Parey, Berlin). 1951, 184—189.

Nolte, H.-W., Krankheiten und Schädlinge der Ölfrüchte. Neumann, Radebeul/Berlin 1951. 64 S., 24 Abb.

Ramakrishnan, C. V., and **Banerji, B. N.**, Lipase from molds grown on oil seeds. Science 113. 1951, nr. 2927, p. 125.

Spezieller Teil

Special part — Partie spéciale

Brassica, Sinapis

Blaszyk, P., Vermeidung von Rapserdflohschäden. Landw.bl. Weser-Ems 98. 1951, 694—695.

Blunck, H., Parasiten und Hyperparasiten von *Pieris rapae* L. Ztschr. Pfl.krankh. 58. 1951, 25—54, 14 Abb.

Bollmann, Senfblattkäfer — *Colaphellus sophiae* Schall. — als Rapschädling im Gebiet des Stadtkreises Magdeburg. Nachr.bl. dtsh. Pfl.schutzd., Berlin, NF. 5. 1951, 235.

Bonnemaison, L., Les ceuthorrhynques des crucifères oléagineuses. Phytoma, Paris, 4. 1951, nr. 27—28, p. 6—10, 6 fig.

Bonnemaison, L., Protection des crucifères oléagineux contre les Mélégèthes. Compt. rend. Acad. Agric. France 37. 1951, 441—444.

Dosse, G., Starkes Auftreten von *Ceuthorrhynchus pictarsis* Gyll. an Raps und Rüben in Württemberg. Verhandl. dtsh. Ges. angew. Ent. 11. Mitgl.ver-samm. München 2.—4. 10. 1949 (P. Parey, Berlin). 1951, 95—102, 7 Abb.

Dosse, G., Versuche zur Bekämpfung des schwarzen Triebbrüblers (*Ceuthorrhynchus pictarsis* Gyll.). [an Raps und Rüben] Anz. Schäd.kunde 24. 1951, 146—152, 2 Abb.

Ducourtial, P., À propos des ceuthorrhynques (*Ceuthorrhynchus*) du colza. [Parathion] Bull. Engrais 333. 1951, 129—130.

Frey, W., Über das Auftreten der Minierfliege *Phytomyza rufipes* Mg. an Raps. Ztschr. Pfl.krankh. u. -schutz 58. 1951, 10—20, 10 Abb.

Geisler, E., Ausbreitung einiger verborgen lebender Rapschädlinge in Hessen-Nassau. (2. Mitteilung.) Nachr.bl. dtsh. Pfl.schutzd., Braunschweig, 3. 1951, 72—73, 3 Abb.

Godan, D., Die Miniertätigkeit der Larven des Raps-erdflöhes (*Psylliodes chrysocephala* L.). Ztschr. angew. Ent. 32. 1951, 458—475, 19 Abb.

Godan, D., Über den Einfluß hoher und tiefer Temperaturen auf die Entwicklungsstadien des Raps-erdflöhes (*Psylliodes chrysocephala* L.). Ztschr. Pfl.bau u. -schutz 2. 1951, 169—178, 7 Abb.

Godan, D., Über eine Schädigung an Raps durch die Mehlig Kohlblattlaus. Anz. Schäd.kunde 24. 1951, 138—139, 1 Abb.

Godan, D., Über Nahrungs- und Brutpflanzen des Raps-erdflöhes (*Psylliodes chrysocephala* L.). Anz. Schäd.kunde 24. 1951, 81—84.

Herrström, G., Sambandet mellan blygrå rapsviveln ålder och känslighet för hexaklorhaltiga preparat. Växtskyddsnotiser, Stockholm, 15. 1951, 17—26.

- Heslop Harrison, J. W.**, A hybrid between *Pieris napi* male and *P. rapae* female (Lep. Pieridae). Entomologist 84. 1951, 99—101.
- Jourdeuil, P.**, Développement sur le colza de maladies bactériennes et cryptogamiques à la suite d'attaques larvaires de l'altise *Psylliodes chrysocephala* L. Compt. rend. Acad. Sci., Paris, 232. 1951, 1963—1964.
- Larsen, H.**, (Various methods for harvesting gall rape with regard to the risk of storm injuries.) Skand. Kreatursförsäkringsbol. Manadshl. 29. 1951, 52, 58.
- Marcus**, Achtet auf den Rapsglanzkäfer. Landw. Wochenbl. Kurh. u. Waldeck 166. 1951, 363.
- Mühle, E.**, Zur Frage der Abhängigkeit des Befalls der Cruciferen-Schoten durch die Kohlschotenmücke (*Dasyneura brassicae* Winn.) von dem Auftreten des Kohlschotenrüsslers (*Ceuthorrhynchus assimilis*) Payk. [Raps] Nachr.bl. dtsh. Pfl.schutzd., Berlin, NF. 5. 1951, 173—176, 3 Abb.
- Müller, K. R.**, Zum Auftreten der Knospenwelke am Winterraps in Sachsen-Anhalt. Nachr.bl. dtsh. Pfl.schutzd., Berlin, NF. 5. 1951, 155—156, 2 Abb.
- Nohe, E.**, Zum Stand der Rapsfelder. Württ. Wochenbl. Landw. 118. 1951, 525—526, 4 Abb.
- Persson, B.**, Orienterande frekvensräkningar av bin i raps 1949. [*Ceuthorrhynchus assimilis*, *Dasyneura brassicae*] Stat. Växtskyddsanst., Stockholm, Meddel. nr. 59. 1951, 32 p., 7 fig.
- Povzun, I.**, (Damage of winter rape by *Ceuthorrhynchus pleurostigma* and its effect on productivity.) Uman-skii Sel'skokhoz. Inst. Sborn. Studencheskikh Nauch.-Issled. Rabot 1. 1951, 50—52.
- Schulze, K.**, Die Bekämpfung des Rapsglanzkäfers. Dtsch. Landw. 2. 1951, 159.
- Tielecke, H.**, Ein Schadensfall an Winterraps durch die Grüne Pfirsichblattlaus (*Myzodes persicae* Sulz.). Nachr.bl. dtsh. Pfl.schutzd., Berlin, NF. 5. 1951, 154—155.
- Tisdale, W. B.**, Clubroot of crucifers in Florida. [Plasmodiophora brassicae Wor. on Sinapis] Plant Dis. Repr. 35. 1951, 509.
- Wahl**, Vergeßt die Bienen nicht bei der Bekämpfung des Rapsglanzkäfers! Landw. Wochenbl. Kurh. u. Waldeck 166. 1951, 410—411.
- Muß ich den Rapsstengelrüssler bekämpfen?** (Mitteilung des Pflanzenschutzamtes.) Württ. Wochenbl. Landw. 118. 1951, 152.
- Les parasites des crucifères oléagineuses.** Sol 59. 1951, 250—258.
- Protection des semis de colza contre l'attaque d'insectes ravageurs.** [Psylliodes chrysocephala, Athalia colibri] Rev. rom. Agric., Vitic., Arboric. 7. 1951, 63, 1 fig.
- Sjukdomar och skadedjur på raps, rybs och vitsenap.** Stat. Växtskyddsanst., Stockholm, Flygbl. nr. 92. 1951, 12 p., 13 fig.
- Die verhoekten Rapsfelder.** (Mitteilung des Pflanzenschutzamtes.) Württ. Wochenbl. Landw. 118. 1951, 549—550.
- Helianthus**
- Appler, H.**, Über die Tumorbildung durch *Pseudomonas tumefaciens* und durch *Heteroauxin* an *Helianthus annuus*. Biol. Zentralbl. 70. 1951, 452—469, 15 Abb.
- Khrshchonovich, V. G.**, (Disinfection (with granosan) of sunflower seeds infected with *Sclerotinia*.) Sovet. Agron. 9. 1951, 88—89.
- Miller, F.**, a **Povolný, D.**, *Homeosoma nebulellum* Hbn. — nový škůdce slunečnice u nás. Ent. Listy (Folia ent.), Brno, 14. 1951, 49—59, 2 fig., 2 tab.
- Mujica, R. F.**, Medidas adicionales de control de la esclerotiniosis (*Sclerotinia sclerotiorum*) del girasol. Mexico Ofic. Estud. Espec. Fol. Misc. 4. 1951, 158—162.
- Perišić, M. M.**, (Contribution to the study of the development cycle of *Puccinia helianthi* Schw. on sunflower in our country.) Yearb. Fac. Agric., Beograd, 1950—51. 1951, 213—219, 3 tab.
- Poljakowa, Z. P.**, (Treatment of sunflower seeds in hot water.) [*Sclerotinia libertiana*] Seleksiia i Semenovodstvo (Selection and Seed Growing) 18. 1951, nr. 10, p. 74—75.
- Pryanishnikova, Z. D.**, (Destruction of the conducting system of sunflowers in the absence of boron.) Compt. rend. Acad. Sci. USSR. 78 (new ser.). 1951, 1029—1032, 4 fig.
- Sackston, W. E.**, Sunflower diseases in Manitoba in 1950, 1951. Canad. Plant Dis. Surv. 30. 1951, 43—44; Manitoba ann. Conf. Agron. Proc. 16. 1951 (Abstr.).
- Shevchenko, F. P.**, and **Gusel'nikov, A. A.**, (Granosan in the control of sunflower diseases.) [*Sclerotinia libertiana*, *Bact. solanacearum*] Seleksiia i Semenovodstvo (Selection and Seed Growing) 18. 1951, nr. 9, p. 73—74.
- Westdal, P. H.**, Two important insect pests of sunflowers. Manitoba Ann. Conf. Agron. 18.—20. 12. 1951, 22—23.
- (Linum usitatissimum = III 5b p. 136—137.)
- Olea**
- Ausilio, M. D.**, (Action of two phosphoric esters against the olive fly (*Dacus oleae*.) Ann. Sperim. agr., Roma, 5 (n. ser.). 1951, 649—662.
- Baines, R. C.**, Citrus-root nematodes on olive, pest pathologically and morphologically similar to that on orange roots infests and reproduces on olive roots. Calif. Agric. (Calif. Stat.) 5. 1951, nr. 10, p. 11.

- Baines, R. C., and Thorne, G., Citrus-root nematode on olive. Calif. Citrogr. 37. 1951, nr. 2, p. 74.
- Baldacci, E., e Fogliani, G., Un'alterazione da eziologia incerta negli olivi del Garda. [Leptonekrosis] Riv. »Olearia« nr. 9—10. 1951, 6 p., 3 fig.
- Benloch, M., El método español de lucha contra la »mosca de la aceituna« (*Dacus oleae*). Vinos, Viñas, Frutas 46. 1951, nr. 550, p. 79—83.
- Berger, G., Bouchélier, R., Brémond, P., et Jourdan, M., Parasites et affections diverses de l'olivier. Terre marocaine Spec. nr. 1951, 21—30.
- Caballero V., C., Notas biológicas y económicas sobre la conchuela negra (*Saissetia oleae*). Chile Dir. Gen. Agr. agr. Techn. 11. 1951, 54—63.
- Castellani, E., Notizie sul »deperimento progressivo dell'olivo« e sulla sua presenza nell'America meridionale. (Notes on »progressive decline of olives« and its presence in South America.) Riv. Agric. subtrop., trop. 45. 1951, 236—238.
- Chella, G., La lotta contro la fumaggine dell'olivo. [Capnodium] Agric. Napoletana 18. 1951, nr. 4, p. 21—22.
- Ciampolini, M., Nuovo contributo alla conoscenza dell'azione che gli esteri fosforici esplicano sul *Dacus oleae* Gmel. »Redia«, Giorn. Ent., Firenze, 36 (2. Ser.). 1951, 423—431.
- Ciccarone, A., Osservazioni sulla »gelatina« e su alcune gommosi del colletto e delle radici degli olivi. [necrosi e gommosi] Boll. Staz. Pat. veg., Roma, 9 (3. ser.). 1951, 205—213, 4 fig.
- Cinti, S., (Let us protect the olives.) [*Dacus oleae*] Agric. Tosc. (ital.) 6. 1951, 283—284.
- Costantino, G., Peut-on combattre la mouche de l'olive (*Dacus oleae*)? Fruits et Primeurs Afr. Nord 21. 1951, nr. 221, p. 9—11.
- D'Ausilio, M., Azione antidacica di due esteri fosforici. (Action of two phosphoric esters against the olive fly.) [*Dacus oleae*] Ann. Sperim. agr., Roma, n. ser. 5. 1951, 649—662, 2 fig.
- De Kerstrat, H., La lutte contre les ennemis des plantes oléagineuses métropolitaines. [insectes] Agriculture, Paris, 15. 1951, 131—132.
- Del Campo, E., Tratamiento contra el arañuelo. [Liothrips oleae] Bol. Oleicult. int. 4. 1951, 27—35.
- Fenili, G. A., Osservazioni sull'azione esplicata da alcuni insetticidi clorurati di sintesi sul *Dacus oleae* Gmel. »Redia«, Giorn. Ent., Firenze, 36 (2. Ser.). 1951, 231—244.
- Hartmann, H. T., and Papaioannou, P., Olive varieties in California. [Bacteria, Fungi] Calif. agric. Exp. Stat. Bull. nr. 720. 1951, 55 p., 29 fig., 1 tab. geogr.
- Kaplan, H., (The olive fly (*Dacus oleae*) at Givat-Brenner.) Hassadeh [hebr.] 31. 1951, 353—355.
- Liebermann, J., Acridios enemigos de olivares en Catamarca y La Rioja (Orth. Caelif. Acrid. Cyrtacanth.). IDIA (Inform. Invest. agric., Argentina) 4. 1951, nr. 44, p. 17—20.
- Lusena, C., Azione acidificante di alcune muffe sull'olio di oliva. Agric. ital. (Tornar-Pisa) 51. 1951, 90—92.
- Martelli, G. M., (New method of controlling the olive fly (*Dacus oleae*.) Italia agric. 88. 1951, 223—228.
- Melis, A., Esperienze di lotta contro la mosca delle olive nella Toscana litoranea nel 1950. [*Dacus oleae*] »Redia«, Giorn. Ent., Firenze, 36. (2. Ser.). 1951, 111—169, 12 fig.
- Melis, A., (New contribution to the knowledge of the biology of *Dacus oleae* Rossi with particular reference to winter and spring emergence in Tuscany.) Olivicoltura (ital.) 6. 1951, nr. 4, p. 1—9.
- Melis, A., (Observations on the winter and spring emergence of the adult »*Dacus oleae*« in Tuscany.) Olearia [ital.] 5. 1951, nr. 1/2, p. 11—18.
- Mezzetti Bambacioni, V., Su una presunta modificazione morfologica e fisiologica prodotta dalla poltiglia bordeliese sull'epicarpo delle olive. (A presumed morphological and physiological modification produced by bordeaux mixture on the epicarp of the olive.) Ann. Sperim. agr., Roma, n. ser. 5. 1951, 269—272, 3 fig.
- Morettini, A., Influenza della defogliazione anticipata su la fioritura e la fruttificazione dell'olivo. (Influence of anticipated leaf fall on flowering and fructification of the olive tree.) Ann. Sperim. agr., Roma, n. ser. 5. 1951, 457—479.
- Morettini, A., Ulteriore contributo allo studio dell'aborto dell'ovario nel fiore dell'olivo. (Further contribution to the study of the ovary abortion in olive flowers.) Ann. Sperim. agr., Roma, n. ser. 5. 1951, 309—329.
- Myburgh, A. C., An insect pest of olive trees. [Teleome-mia australis] Farming South Afr. 26. 1951, 391—392.
- Nicolini, J. C., La hormiga como transmisora de la »tuberculosis del olivo«. Inform. Invest. Agric. 4. 1951, nr. 37/39, p. 1.
- Nicolini, J. C., La podredumbre de las raíces del olivo. (Root rot of olive.) [Rosellinia necatrix] Alm. Minist. Agric., Buenos Aires, 1951—52. 1951, 319—320, 1 tab. col.
- Nicolini, J. C., Tuberculosis del olivo. [Pseudomonas savastanoi] Pampa Argentina 24. 1951, nr. 282, p. 14. — Chacra 22. 1951, nr. 253, p. 34.
- Nizi, G., (Research in control of olive fly (*Dacus oleae*.) Agricoltore, Perugia, 8. 1951, nr. 23/24, p. 5.
- Pegazzano, F., Contributo alla conoscenza morfologica del *Mytilococcus destefanii* Leon. (Hemiptera, Diaspinæ). »Redia«, Giorn. Ent., Firenze, 36 (2. Ser.). 1951, 291—299, 3 fig.

- Santoro, R.**, Olivo: cocciniglie e fumaggini. Agric. Napoletana 18. 1951, nr. 6, p. 25—27.
- Santoro, R.**, Ricerche con prodotti organico-sintetici in rapporto a *Dacus oleae*, a entomoparassiti ed insetti varii eseguite in Ascea (Salerno) nel 1950. (Experiments of control with organic synthetic products in relation to olive fly (*Dacus oleae*), their parasites and other insects performed in Ascea, Salerno, in 1950.) Ann. Sperim. agr., Roma, n. ser. 5. 1951, 1379—1404.
- Scaramuzzi, G.**, La leptonecrosi dell'olivo nella zona di Albenga. (Olive leptonecrosis in the Albenga region.) Olearia 5. 1951, 225—231, 8 fig., 1 tab. geogr.
- Sibilia, C.**, La difesa fitosanitaria dell'olivo. Mondo agric. 2. 1951, nr. 33, p. 5.
- Simmonds, H. W.**, The establishment of the black scale (*Saissetia oleae*) parasite *Metaphycus helvolus*, Compere (Hymenoptera, Encyrtidae) in South Australia. J. South Austr. Dept. Agric. 54. 1951, 398—400.
- Tominić, A.**, (The use of aeroplanes against *Dacus oleae* Rossi.) Plant Prot., Beograd, nr. 6—7. 1951, 141—152.
- Trinchieri, G.**, (The »Spanish« method for controlling olive fly (*Dacus oleae*.) Colt. e Giorn. Vinic. Ital. 97. 1951, 341.
- Wahlin, B.**, Några parasitangrepp på oljedådra. Växtskyddsnötiser, Stockholm, 15. 1951, 90—93.
- Rapport sur l'étude biologique du *Dacus oleae*. Essais de controle à Choueifat (Liban), par Adel Abou-Nasser.** Lebanon Serv. Rech. Agric. Beyrouth 1951. 172 p.
- Papaver**
- Angell, H. R.**, Seedling blight. IV. Effect of source of isolates of Pythiaceae on percentage stands of poppies and peas on four steamed soils. Austr. J. agric. Res. 2. 1951, 286—294.
- Angell, H. R.**, and **Hills, K. L.**, Seedling blight. III. Control of seedling blight of opium poppy by liming. Journ. austr. Inst. agric. Sci. 17. 1951, 17—24.
- Ciferri, R.**, Nomenclatura del fungo che causa la »defogliazione primaverile« dei pioppi. Not. Mal. Piante nr. 14. 1951, 88.
- Davis, L. H.**, The Heterosporium disease of California poppy. Phytopathology 41. 1951, 937.
- Grümmer, G.**, Beiträge zur Eigenschaftsanalyse der Anfälligkeit von Papaver somniferum gegen Helminthosporium papaveris. I. Mitteilung. Züchter 21. 1951, 306—322, 20 Abb.
- Lindner, M. W.**, Samen von Erysimum cheiranthoides L. als Besatz der Mohnsaat. Ztschr. Lebensm.-Untersuch. u. -Forsch. 93. 1951, 78—80, 2 Abb.
- Nolte, H.-W.**, Die Kapselvergilbung des Mohns. Eine Gallwespe als neuer deutscher Mohnschädling. [Timaspis papaveris] Ztschr. Pfl.krankh. 58. 1951, 89—92, 2 Abb., u. 279.
- Stahl, E.**, Chenopodium- und Amaranthussamen im Handelsmohn. Ztschr. Lebensm.-Untersuch. u. -Forsch. 93. 1951, 137—140, 5 Abb.
- e. Gemüsepflanzen**
Vegetables — Plantes maraichères
Allgemeiner Teil
General part — Partie générale
- Balock, J. W.**, Ethylene dibromide for destroying fruit fly infestations in fruits and vegetables. [Ceratitis capitata, *Dacus cucurbitae*, *Dacus dorsalis*] Science 114. 1951, 122.
- Blasingame, W. E.**, Insect and disease control in the home vegetable garden. Georgia Dept. Ent. Bull. 95. 1951, 6 p.
- Brandt, H.**, Tierische Nützlinge im Obst- und Gemüsegarten. [Insekten] Fruchtbare Erde 8. 1951, 32 S.
- Chattopadhyay, S. B.**, Control of postemergence damping off of vegetable seedlings. Sci. and Cult. 17. 1951, 37—38.
- Chester, K. St.**, and **McLaughlin, J. H.**, Recognition and control of vegetable diseases. Oklahoma Ext. Serv. Circ. nr. 475. 1951?, 15 p., 1 fig.
- Chupp, C.**, and **Leiby, R. W.**, The control of diseases and insects affecting vegetable crops. Cornell Univ. agric. Coll. Ext. Bull. 206 (rev.). 1951, 105 p.
- Cox, C. E.**, and **Weaver, L. O.**, Vegetable disease control chart for Maryland. Maryland agric. Coll. Ext. Misc. Ext. Publ. 5. 1951, Poster.
- Evans, S.**, Fall vegetable diseases. Crop Comments 4. 1951, nr. 10, p. 1—3.
- Fjeldalen, J.**, and **Gjaerum, H. B.**, (Brief directions for the control of the most important pests and fungus diseases of vegetables and potatoes.) Norske Hageselsk. Minneliste Hagedyrkere 2. 1951, 11—14. (Kolonihagen 21. 1951, 11—14.)
- Fjeldalen, J.**, and **Gjaerum, H. B.**, (The fight against plant diseases of fruit, berries and vegetables.) Gartneryrket (norweg.) 41. 1951, 279—288.
- Fleischmann, C.**, Der Gemüsebau in Wiesmoor. Höfchen-Briefe, Leverkusen, 4. 1951, 179—188, 9 Abb.
- Jacks, H.**, Seed disinfection. 1. Preliminary selection of vegetable-seed protectants. New Zealand J. Sci., Techn. (A) 33. 1951, nr. 3, p. 27—38, 3 fig.
- Kelsheimer, E. G.**, Mixing vegetable sprays; safety, results depend on compatibility. Florida Grower 59. 1951, nr. 2, p. 26.

- Klette, G.**, Gemüsebau in der Praxis. Anleitung für den Gemüsebau im Garten und im Erwerbsbetrieb einschließlich der Treiberei. [Krankheiten und Schädlinge] P. Parey, Berlin 1951. VIII + 243 S., 145 Abb.
- Klougart, A.**, (Safeguarding the vegetable cultures — the correct control.) [diseases and pests] Gart.-Tidende 67. 1951, 197—198.
- Kreutz, H.**, Rückblick auf den Frühgemüsebau 1951. Süddtsch. Erwerbsgärtner 5. 1951, 298—299.
- Lauenstein, A.**, Verwendung von Igelit-Werkstoff als Pflanzenschutzhauben. Dtsch. Agrartechn. 1. 1951, 245.
- McNew, G. L., McCallan, S. E. A., and Miller, P. R.**, The control of fruit and vegetable diseases. VII—XII. Canning Trade 73. 1951, nr. 27, p. 11—12, 25—27; nr. 28, p. 6—8, 21—23; nr. 29, p. 50, 52, 54—55, 64; nr. 30, p. 7—9, 20; nr. 31, p. 6—9; nr. 32, p. 6—8.
- Mappes, F.**, Neue Versuchsergebnisse und Erfahrungen aus dem Gemüsebau. Ratschl. Bauernhof, Limburgerhof, H. 6. 1951, 52.
- Minnun, E. C.**, Controlling insects and diseases in the home garden. Connecticut agric. Coll. Ext. Folder 49. 1951, 8 p.
- Mushnikova, K. S., and Slutsker, K. A.**, (Comparative testing of mercuri-organic preparations (granosan and Zbarskii's bactericide) in the control of vegetable and melon diseases.) Seleksiia i Semenovodstvo (Selection and Seed Growing) 18. 1951, nr. 7, p. 25—28.
- Reichelt, K.**, Fehler und Mängel im Feldgemüsebau. Neue Mitt. Landw., Hannover, 6. 1951, 283.
- Roy, R. S., and Choudhury, B.**, Box cultivation of vegetables. [diseases and pests] Indian Farming 12. 1951, 16—21.
- Smith, W. P. C.**, Vegetable seed treatments. J. West Austr. Dept. Agric. (ser. 2) 28. 1951, 26—31.
- Stewart, A. B.**, Fertilizers and lime in Scotland. 2. Lime and soil fertility. Scot. Agric. 30. 1950—1951, 149—153.
- Weiler, Nützliche Insekten im Garten.** Gärt.-Kur. 6. 1951, Nr. 11, S. 2—3.
- Wells, J. C., and Herbert, T. T.**, Small grain diseases. North Carolina agric. Coll. Ext. Circ. 347. 1951, 31 p.
- White, A. N., Wene, G. P., and Godfrey, G. H.**, Guide for controlling insects and diseases on vegetable crops. Agric. Bull. (Shell) ADB. 266/FM 3. 1951, 2 p.
- White, A. N., Wene, G. P., and Godfrey, G. H.**, Guide for controlling insects and diseases on vegetable crops in the Lower Rio Grande Valley. Texas Agric., Mech. Coll. Agric. Ext. Serv., Coll. Stat., 1951, 18 p. — Rio Grande Valley hortic. Inst. Proc. 5. 1951, 20—33.
- White, W. H., and Doolittle, S. P.**, Vegetable gardeners' handbook on insects and diseases. U.S. Dept. Agric. Misc. Publ. 605 (rev.). 1951, 30 p.
- Diseases of vegetables.** Minist. Agric., Fish., London, Bull. nr. 123. 1951, 76 p., 19 fig.
- Root vegetables.** [Control of pests and diseases] Min. Agric., Fish., London, Bull. nr. 120. 1951, IV + 24 p., 8 fig.
- Some pests and diseases of vegetable crops.** North. Ireland Minist. Agric. Leaflet 89. 1951, 12 p.

Nichtparasitäre Krankheiten Diseases not caused by parasites Maladies non parasitaires

Sugiyama, T., Iwata, M., and Shichijo, T., (Hunger signs in vegetable crops. II.) J. hortic. Assoc. Japan 20. 1951, 89—97.

Van der Linden, L., (Deficiency and nutritional diseases of vegetables.) Tuinbouwberichten (flem.) 15. 1951, 181—183.

Weigel, Ch. A., Foster, A. C., and Carter, R. H., Effect on truck crops of DDT applied to the foliage. U.S. Dept. Agric. Techn. Bull. 1034. 1951, 20 p.

Wilson, R. D., Molybdenum deficiency diseases of vegetable crops in the central coast area of New South Wales. Specialist Conf. agric. Proc. 1949. 1951, 155—156.

Pflanzliche Feinde Vegetal parasites — Parasites végétaux

Holmes, G., Don't forget the hoe; weed control is all-important at this time of year. [vegetable gardening] Modern Poultry Keeping 65. 1951, 20.

Jacks, H., The efficiency of chemical treatments of vegetable seeds against seed-borne and soil-borne organisms. Ann. appl. Biol. 38. 1951, 135—168, 4 fig.

Korshunova, A. F., (Agricultural measures for lowering the infection of [crucifer] seeds with Alternaria.) Seleksiia i Semenovodstvo (Selection and Seed Growing) 18. 1951, nr. 2, p. 63—65.

Lachman, W. H., Weed control in vegetables for 1951. New Engl. Homestead 124. 1951, nr. 7, p. 14—15.

Persson, A. R., (Chemical control of vegetable weeds.) Gartneryrket 41. 1951, 291—292, 296.

Sweet, R. D., Chemical weeding of vegetables. Veg. Growers Assoc. Amer. Ann. Rept. 1951, 127—130.

Walker, J. C., and Gallegly, M. E., Plant nutrition in relation to disease development. VI. Black rot of cabbage and ring rot of tomato. [Xanthomonas campestris, Corynebacterium sepedonicum] Amer. J. Bot. 38. 1951, 663—665, 2 fig.

Warren, G. F., Control of weeds in vegetable crops, potatoes, sugar-beets, small fruits and ornamentals: Vegetable crops and potatoes. North Centr. Weed Control Conf. Res. Rept. 7 (1950). 1951?, 140—169.

Ukrudtsbekaempelse i gulerødder, selleri m. fl. Tidsskr. Planteavl, København, 54. 1951, 177—180 (Stat. Forsøgsvirks. Plantekultur Meddel. 451).

Ukrudtsbekaempelse i kepaløg (zittauerløg) og porrer. Tidsskr. Planteavl, København, 54. 1951, 176—177 (Stat. Forsøgsvirks. Plantekultur Meddel. 450).

Tierische Feinde

Animal parasites — Parasites animaux

Ahlberg, O., Bekämpningsförsök mot kålfflugor och morotflugor. [Hylemyia floralis och brassicae, Psila rosae]. Växtskyddnotiser, Stockholm, 15. 1951, 58—61.

Bronson, T. E., and Rust, R. E., Mist sprays for control of certain truck crop insects. J. econ. Ent. 44. 1951, 218—220, 1 fig.

Brooks, A. R., Identification of the root maggots (Diptera: Anthomyiidae) attacking cruciferous garden crops in Canada, with notes on biology and control. Canad. Ent. 83. 1951, 109—120.

Burroughs, D., The nematode and the vegetable grower. Market Growers J. 80. 1951, nr. 3, p. 30—31.

Chapman, R. K., Control vegetable insects. Wisconsin Hortic. 42 (i. e. 41). 1951, 211, 215, 246—247.

Chapman, R. K., and Allen, T. C., Necessity for the use of insecticides to control wireworms attacking certain vegetable crops. Jul. Hyman & Comp., Denver (Colorado) 1951. 7 p.

Cumber, R. A., The introduction into New Zealand of Microphanurus basalis Woll. (Scelionidae: Hym.), egg-parasite of the green vegetable bug, Nezara viridula L. (Pentatomidae). New Zealand J. Sci., Techn. (B) 32. 1951, nr. 5, p. 30—37.

De Vasel, C., Los enemigos de la huerta deben conocerse para poder destruirlos. [insect pests in Argentina] Mundo agric. 3. 1951, nr. 31, p. 34—35.

Edwards, G. R., Insect pests of vegetable crops. J. South Austr. Dept. Agric. 54. 1951, 382—390.

Empson, Danger from two new vegetable pests. Grower, London, 36. 1951, 1250.

Frick, K. E., Liriomyza langei, a new species of leaf miner of economic importance in California (Diptera: Agromyzidae). Pan-Pacific Ent. 27. 1951, 81—88, 2 fig.

Galleghy, M. E., and Leach, J. G., Simplification of garden-pest control. West Virginia agric. Exp. Stat. Bull. 348. 1951, 15 p.

Howe, W. L., and Schroeder, W. T., New method combines fungicide-herbicide for seed-corn maggot (Hylemya ciliarura) control. Amer. Fertil., allied Chem. 114. 1951, nr. 2, p. 20—22, 42.

Howe, W. L., and Schroeder, W. T., A new method for seed-corn maggot (Hylemya ciliarura) control. Farm Res. (New York State Stat.) 17. 1951, 10—11.

Knowlton, G. F., and Anderson, E. M., Controlling insects in vegetable gardens. Utah State agric. Coll. Ext. Bull. 233. 1951, 8 p.

Lower, H. F., The vegetable jassid (Austroasca viridigrisea Paoli) in South Australia. J. South Austr. Dept. Agric. 55. 1951, 64—68.

Mariën, D., (Damage caused by bugs (Hemiptera).) Tuinbouwberichten 15. 1951, 115—116.

Maslennikov, I. P., (From the practice of using DDT and benzene hexachloride in pest control of vegetables grown for seed.) Sad i Ogorod (Orchard and Garden) nr. 5. 1951, p. 53—56.

Merrill jr., L. G., Insecticides for muckfarming. [vegetables] Amer. Fertil., allied Chem. 114. 1951, nr. 4, p. 26—28, 35.

Nikitina, T. F., Dolinin, V. P., Grishin, G. N., and Karafa-Korbut, M. I., (Use of chloropicrin for the control of nematodes (on vegetables) in protected ground.) Sad i Ogorod (Orchard and Garden) nr. 9. 1951, p. 68.

Otanes, F. Q., The most important insect pests of vegetables or truck crops and their control. Philipp. Bur. Plant Ind. Farmers' Circ. 4. 1951, 11 p.

Peretz, Y., (The control of the principal insect pests of vegetables.) Hassadeh (hebr.) 31. 1951, 385—387.

Pussard, R., Observations biologiques sur Rhytidoderes plicatus Ol. (Col. Curculionide). Compt. rend. Soc. Biol., Paris, 145. 1951, 37—39.

Reid jr., W. J., Zinc ethylene bisdithiocarbamate toxic to pickleworm and melonworm. [Diaphania nitidalis, D. haylinata] J. econ. Ent. 44. 1951, 817.

Ritcher, P. O., A new weevil threatens. Res. and Farming (North Carolina) 10. 1951, Progr. Rept. nr. 2, p. 13, 1 fig.

Russo, G., La lotta biologica contro i parassiti animali dei vegetali in Italia. (Biological control of vegetable pests in Italy.) Lab. Ent. Agr. »Filippo Silvestri« Boll. 10 (1950). 1951, 86—97.

Samuel, C. K., The red-vented bulbul, Molpastes cafer (Linnaeus), as a pest of vegetable crops in Delhi. Indian J. Ent. 12 (1950). 1951, 113—114.

Shurtleff, M. C., Howard, F. L., and Kerr jr., T. W., Vegetable pest control program. Rhode Island State Coll. Ext. Bull. 137. 1951, 11 p.

Sleesman, J. P., Control of insects on vegetable crops. Amer. Assoc. econ. Ent., North. Centr. States Branch, Proc. 6. 1951, 16.

- Smith, F. F., Fulton, R. A., and Edwards, F. I., New insecticides for greenhouse vegetables. Veg. Growers Assoc. Amer. Ann. Rept. 1951, 21—28.
- Starnes, O., and Reed, J. P., Vegetable insects and their control on commercial plantings. New Jersey agric. Exp. Stat. Bull. 756. 1951, 16 p.
- Swezey, O. H., The seed corn maggot, *Hylemyia cili-crura* (Rondani), from the silversword plant (Diptera: Anthomyiidae). Hawaii. ent. Soc. Proc. 14 (1950). 1951, 311—312.
- Van der Linden, L., (Feeding injuries to vegetables due to the larvae of long-legged flies (Tipula) and the garden hair fly (*Bibio hortulanus*)). Tuinbouw-berichten (flem.) 15. 1951, 38.
- Van der Zanden, G., (Insects in house and garden.) Natura 48. 1951, 9—13.
- Walther, R., Erfahrungen mit E 605 in einem Samen-zuchtbetrieb. Höfchen-Briefe, Leverkusen, 4. 1951, 234—236.
- Wene, G. P., and Otey, G., Control of red spider mites on vegetables. [Septanychus texazona] Rio Grande Valley hortic. Inst. Proc. 5. 1951, 16—19.
- White, A. N., Lookout for insects on vegetables. Texas Farming, Citricult. 27. 1951, nr. 8, p. 11.
- Zia-Ud-Din, Tests of lindane and other insecticides for control of *Lygus oblineatus*. J. econ. Ent. 44. 1951, 773—779, 1 fig.
- Insect pests of vegetables, a chart of control measures. New South Wales Dept. Agric. Insect Pest Leaf. 73 (rev.). 1951, 16 p.
- The vegetable weevil (*Listroderes costirostris*). Agric. Gaz. New South Wales 62. 1951, 475—476.
- Spezieller Teil**
Special part — Partie spéciale
- Allium**
- Abdulajew, S. G., (Zwiebel-Peronospora in Aserbeidshan und Maßnahmen ihrer Bekämpfung.) (Arb. allruss. Inst. Pfl.schutz, Moskau-Leningrad), Liefg. 3. 1951, 49—57.
- Antognini, J., Research continues on chemical weed control in onions. Farm Res. (New York State Stat.) 17. 1951, nr. 4, p. 10.
- Armand, J. E., The onion thrips. [Thrips tabaci] Canada Dept. Agric. Proc. Publ. ser. nr. 106. 1951, 4 p., 1 fig.
- Arnala, R., (Über die Bekämpfung vom falschen Mehltau (Peronospora destructor Berk.) der Zwiebel.) Suomen Maatalousk. Seura, Maatalousk. Aikakausk. (Finnland) 23. 1951, 67—78.
- Bocharova, A. P., and Popov, P. V., (Effective preparation (NIUIF-100) for the control of the onion fly (*Hylemyia antiqua*)). Sad i Ogorod (Orchard and Garden) 7. 1951, 68—69.
- Campacci, C. A., (Onion mildew.) Biológico, São Paulo, 17. 1951, 191—196.
- Cartier, R. D., and Dion, A., Tests with newer herbicides for the control of weeds in onions. Canada nat. Weed Comm., east. Sect., Proc. 4. 1951, 40—45.
- De Rezende-Pinto, M. C., De Lemos-Pereira, A., and Amaral-Gerarda, M. C., (Contribution to a study of the action on the cells of the antibiotics penicillin and streptomycin injected into the bulbs of *Allium cepa* L.) Soc. Portug. Ciên. Nat. Bol. 3 (ser. 2). 1951, 251—255.
- Edwards, G. R., Insect pests of vegetable crops. VII. Insect pests of onions. J. South Austr. Dept. Agric. 54. 1951, 558—561.
- Eichler, Wd., Freilandmittelprüfungen in der Zwiebel-fliegenbekämpfung. [*Hylemyia antiqua*] Verhandl. dtsh. Ges. angew. Ent. 11. Mitgl.versammlg. München 2.—4. 10. 1949 (P. Parey, Berlin). 1951, 180 bis 184.
- Eichler, Wd., Die Klee-Eule (*Scotogramma trifolii*) als Rüben- und Zwiebel-schädling. Nachr.bl. dtsh. Pfl.schutzd., Berlin, NF. 5. 1951, 72—74, 1 Abb.
- Isenberg, F. M. R., Odland, M. L., Popp, H. W., and Jensen, C. O., The effect of maleichydrazide on certain dehydrogenases in tissues of onion plants. Science 113. 1951, 58—60.
- Kato, S., (Notes on the distribution of onion maggot (*Hylemyia antiqua* Meigen) in Japan and the principal characteristics of differenting from other allied species.) Jap. J. Plant Prot. 22. 1951, 28—35.
- Kharkina, G. A., (Comparative action of phytoncides from garlic on phytopathogenic bacteria.) Mikrobiologija (russ.) 20. 1951, 434—437.
- Labeyrie, V., et Pons, R., Microgaster globatus Ness., nouveau parasite de la teigne du poireau (*Acrolepia assectella* Zeller). Bull. Soc. ent. France 56. 1951, 31.
- Linn, M. B., Control of smut in bulb onions by pelleting the seed with technical Thiram. Plant Dis. Repr. 35. 1951, 94—96.
- McKeen, C. D., An occurrence of rot of Spanish onion seedlings caused by *Botrytis allii*. Sci. Agric., Ottawa, 31. 1951, 541—545, 1 fig.
- Merrill jr., L. G., Diptera reared from Michigan onions growing from seed. [*Hylemyia antiqua*, *H. cili-crura* etc.] J. econ. Ent. 44. 1951, 1015.
- Nelson, R., Control of onion mildew with dust fungicides. Phytopathology 41. 1951, 28.

- Newhall, A. G.**, New methods of controlling onion smut. *Phytopathology* 41. 1951, 28.
- Nolte, H.-W.**, Die Bekämpfung der Larve der Zwiebelfliege (*Hylemyia antiqua*) mit Kontaktinsektiziden. *Nachr.bl. dtsh. Pfl.schutzd.*, Berlin, NF. 5. 1951, 46—48.
- Nutman, F. J.**, **Sheffield, F. M. L.**, **Swainson, O. S.**, and **Winter, D. W.**, The sudden-death disease of cloves and its economic and agricultural significance. *Empire J. exp. Agric.* 19. 1951, nr. 75, p. 145—159, 4 fig., 1 tab. geogr.
- Peterson, C. E.**, Weed control in onions with a shielded nozzle sprayer. *Down to Earth* 6. 1951, nr. 4, p. 2—4.
- Peterson, C. E.**, **Denisen, E. L.**, and **Barger, E. L.**, Weed control in onions. *Down to Earth* 6. 1951, nr. 4, p. 2.
- Ranninger, R.**, Haltbare Zwiebeln durch Patentkali. *Gartenbauwirtschaft* Nr. 5. 1951, 50.
- Ries, S. K.**, Onion maggot (*Hylemyia antiqua*) meets its master. *Market Growers J.* 80. 1951, nr. 5, p. 38—39.
- Rozsypal, J.**, *Dyspessa ulula* Hbn., ein Schädling an Zwiebelgemüse. 9. int. Congr. Ent., Amsterdam, 8. 1951, 10—11.
- Schindler, H.**, Krankheiten der Zwiebel. *Gartenbauwirtschaft*, Wien, 1951, 26—27.
- Shirck, F. H.**, Hibernation of onion thrips in southern Idaho. [*Thrips tabaci*] *J. econ. Ent.* 44. 1951, 1020—1021, 1 fig.
- Sloan, M. J.**, and **Rawlins, W. A.**, Field trials in onion thrips control. [DDT against *Thrips tabaci*] *J. econ. Ent.* 44. 1951, 294—300.
- Thomas jr., W. D.**, Detection of purple-blotch (*Alternaria porii*) by spore traps. *J. Colorado Wyoming Acad. Sci.* 4. 1951, nr. 3, p. 58—59 (Abstr.).
- Thomas jr., W. D.**, Spray tests for purple-blotch control. [*Alternaria porii*] *J. Colorado Wyoming Acad. Sci.* 4. 1951, nr. 3, p. 59 (Abstr.).
- Timmons, F. L.**, **Hawthorn, L. R.**, and **Webber, R. D.**, Possibilities of controlling annual weeds in seed onions by chemical methods indicated by experiments. *Farm, Home Sci. (Utah Stat.)* 12. 1951, 21—22, 38—39.
- Togliani, F.**, L'«Antracnosi» delle cipolle. [*Colletotrichum circinans*] *Inform. Fitopat.*, Bologna, Pubbl. quindic., Gr. II, nr. 16. 1951, 7—8, 1 fig.
- Van der Vliet, M.**, (Downy mildew (*Peronospora destructor*) on shallots.) *Groenten en Fruit* 6. 1951, 842.
- Wagner**, Stärkeres Auftreten der Lauch- oder Zwiebelmotte (*Acrolepia assectella* ZELL.) an Porree. *Pflanzenschutz*, München, 3. 1951, 143, 3 Abb.
- Webster, J.**, and **Jarvis, W. R.**, The occurrence of *Botrytis globosa* on *Allium ursinum*. *Trans. brit. mycol. Soc.* 34. 1951, 187—189, 1 fig., 1 tab.
- La bigarrure jaune de l'oignon.** *Progr. agric., vitic., Villefranche*, 136. 1951, nr. 30, p. 71—73.
- Control of stem eelworm in clover and onion seed.** *Nat. Inst. agric. Bot. Seed Notes* 38. 1951, 1—3.
- Diseases of onions.** *New South Wales Dept. Agric. Plant Dis. Leaflet* 90. 1951, 4 p.
- Apium graveolens**
- Brown, J. G.**, and **Boyle, A. M.**, Bacterial heart-rot of celery. *Arizona agric. Coll. Ext. Circ.* 181. 1951, 4 p.
- Hahmann, K.**, und **Müller, H. W. K.**, Alte und neue Feinde des Sellerie-Anbaues. *Gesunde Pflanzen* 3. 1951, 115—118, 3 Abb.
- Hahmann, K.**, und **Müller, H. W. K.**, Zur Herzfäule des Selleries. [*Lygus campestris* L.] *Nachr.bl. dtsh. Pfl.schutzd.*, Braunschweig, 3. 1951, 49—51, 5 Abb.
- Hering, E. M.**, Ein neuer Sellerie-Feind, *Melanogromyza apii*, sp. n. (*Dipt. Agromyz.*). *Ann. Mag. nat. Hist.*, London, 4. 1951, 736—745, 5 fig.
- Knowlton, G. F.**, and **Kardos, E. H.**, Celery field insects of Utah. *Utah agric. Exp. Stat. mimeogr. ser.* 376. 1951, 8 p.
- Lownsbey, B. F.**, and **Tarjan, A. C.**, Pathogenicity of some plant-parasitic nematodes from Florida soils. II. Reaction of celery seedlings to a plant-parasitic nematode complex. *Plant Dis. Repr.* 35. 1951, 403—404.
- Nelson, R.**, Michigan State Green-Gold: a new celery resistant to *Fusarium yellows*. [*Fusarium apii*] *Michigan agric. Exp. Stat. Quart. Bull.* 33. 1951, 280—285, 2 fig.
- Roland, G.**, Étude d'une mosaïque observée sur *Apium graveolens*. *Parasitica* 7. 1951, 63—68, 1 fig.
- Schütz, F.**, und **Kundert, J.**, Versuche zur Bekämpfung der Blattfleckenkrankheit an Sellerie in Verbindung mit Düngungsversuchen. [*Septoria apii*] *Sdr. aus »Der Gemüsebau«*. *Forschungsergebnisse aus dem Gebiete des Gartenbaues*. *Eidg. Vers.anst. Obst-, Wein-, Gartenbau, Wädenswil*, 1951, 31 S., 6 Abb.
- Segall, R.**, Brown spot disease of celery found in New York. [*Cephalosporium*] *Plant Dis. Repr.* 35. 1951, 164, 1 fig.
- Smith, M. A.**, and **Ramsey, C. B.**, Brown-spot disease of celery. [*Cephalosporium apii*] *Bot. Gaz.* 112. 1951, 393—400.
- Stevenson, F. V.**, Internal damage to celery in Florida caused apparently by winds of hurricane force. *Plant Dis. Repr.* 35, 1951, 402, 1 fig.

Swank jr., G., A preliminary report of a new compound, trans 1, 4-dibromobutene-2, for the control of damp-off. Plant Dis. Reptr. 35. 1951, 492—493, 2 fig.

Wilson, J. W., and Hayslip, N. C., Insects attacking celery in Florida. Florida agric. Exp. Stat. Bull. 486. 1951, 37 p.

Schäden durch Blattfleckenkrankheit bei Sellerie. Mitt.bl. Landesverb. Gartenbau, Landw. Berlin 1. 1951, 157.

Asparagus officinalis

Armand, J. E., Asparagus beetles. [Crioceris asparagi, C. duodecimpunctata] Canada Dept. Agric. Proc. Publ. ser. nr. 103. 1951, 4 p., 1 fig.

Di Nasso, A., (Is it possible to eliminate the Coccidae of rhizomes in asparagus beds?) [Hypopta caestrum] Humus (ital.) 7. 1951, nr. 10, p. 20.

Knowlton, G. F., Spotted asparagus beetle (Crioceris duodecimpunctata) invades Utah. Brooklyn ent. Soc. Bull. 46. 1951, 56.

Van der Vliet, M., (Control of the asparagus rust.) Groenten en Fruit 6. 1951, 890; 7. 1951, 41.

Beta

(III 3b, p. 112.)

Berkeley, G. H., and Weintraub, M., Turnip mosaic. Proc. canad. phytopath. Soc. nr. 19. 1951, 14.

Henkens, Ch. H., Een bacterie-ziekte in stoppelknollen. [Erwinia carotovora] Tijdschr. Plantenziekten 57. 1951, 124—126, 3 fig.

Kersting, Glasige Steckrüben. Landw. Wochenbl. Westfalen u. Lippe 108A. 1951, 166.

Markham, R., Physicochemical studies of the turnip yellow mosaic virus. Disc. Faraday Soc. nr. 11. 1951, 221—227, 3 fig., 1 tab.

Oughton, J., A study of turnip root maggots in Ontario. [Hylemya brassicae, H. trichodactyla and H. cilicrura on rutabagas] Ontario ent. Soc. Ann. Rept. 82 (1951). 1952, 77—84.

Roll-Hansen, J., (Clubroot and turnip.) Gartneryrket 41. 1951, 197—198.

Shapiro, I. D., (New method for preventing damage to turnips by flea beetles.) [DDT, benzene hexachloride] Kormovaia Baza (russ.) 2. 1951, nr. 2, p. 47—51.

Tao, C. C., and Lee, S. S., (Report on the insecticidal control of turnip flea beetle (Phyllotreta vitata) of crucifer.) Agric. Res. 2. 1951, nr. 4, p. 61—67.

Tupenewitsch, S. M., (Erhöhung der Widerstandsfähigkeit der Keimlinge der Roten Rübe gegen den Erreger des Wurzelbrandes durch Samenbau unter örtlichen Bedingungen.) (Arb. allruss. Inst. Pfl.schutz, Moskau-Leningrad), Liefg. 3. 1951, 3—21, 6 Abb.

Vanderwalle, E., et Roland, G., Contribution à l'étude de la jaunisse du navet. [Myzus persicae] Parasitica 7. 1951, 14—15, 1 tab.

Whipp, A. A., and Chapman, R. K., Control of the variegated cutworm on red beets with DDT and chlordane sprays. J. econ. Ent. 44. 1951, 430.

Brassica

(III 5d, p. 138.)

Allgemeiner Teil

General Part — Partie générale

Mallekote, L., (Diseases and injuries to cabbage.) Groenten en Fruit 7. 1951, 413.

Pivkina, A. F., (In regard to analysis of cabbage seeds for diseases.) Sad i Ogorod (Orchard and Garden) nr. 3. 1951, p. 68—70.

Pound, G. S., Cheo, P.-Ch., and Calvert, O. H., Extent of transmission of certain cabbage pathogens by seed grown in western Washington. Phytopathology 41. 1951, 820—828, 2 fig.

Sellke, K., Hexa- oder E-Mittel zur Bekämpfung von Wurzel- und Stengelschädlingen am Blumenkohl? Nachr.bl. dtsh. Pfl.schutzd., Berlin, NF. 5. 1951, 141—145, 2 Abb.

Stokdijk, W., (Diseases of cauliflower and their control.) Groenten en Fruit 7. 1951, 169.

Tjernberg, E., Kålväxternas sjukdomar och skadeinsekter. (Cabbage pests and diseases.) Weibulls Allehanda 11. 1951, 29—32.

Vegter, E., (Investigation of pitted disease of cabbage.) Groenten en Fruit 7. 1951, 412—413.

Nichtparasitäre Krankheiten

Diseases not caused by parasites

Maladies non parasitaires

Bousard, M., (Prevention of frost injuries to cauliflowers.) Cult. en Handel (flem.) 17. 1951, 633—634.

Hewitt, E. J., and Agarwala, S. C., Production of »Whiptail« in cauliflower grown in sand culture. [molybdenum deficiency] Nature, London, 167. 1951, 733.

Maiert, W., Bormangelkrankheiten an Blumenkohl (Brassica oleracea L. var. botrytis L.) und Kohlrabi (Brassica oleracea L. var. gongyloides L.). Angew. Bot. 26. 1951, 3—12, 7 Abb.

Masson, P., Le bleuissement des tiges de chourouges causé par leur intoxication au Semesan. Ann. Assoc. canad.-franç. Avanc. Sci. 17. 1951, 154—155.

Nolte, H.-W., Blumenkohlschädigung durch E-Präparate beim Erdtopf-Kohlfliegenbekämpfungsverfahren. Nachr.bl. dtsh. Pfl.schutzd., Berlin, NF. 5. 1951, 183—185, 2 Abb.

Plant, W., The control of »whiptail« in broccoli and cauliflower. [molybdenum deficiency] J. hort. Sci. 26. 1951, 109—117, 3 tab.

Shisa, M., and Hazu, G., (The snow resistance in Brassica. I.) J. hort. Assoc. Japan 20. 1951, 98—104.

Smith, Ch. E., and Harrison, P. K., Studies of arsenical residues on cauliflower. J. econ. Ent. 44. 1951, 318—321.

Stoner, W. N., A 2, 4-D chemical causes unusual injury to cabbage. Plant Dis. Repr. 35. 1951, 327—328, 1 fig.

Vriend, S., (Damage by frost to cauliflowers.) Groenten en Fruit 7. 1951, 163—164.

En ny mangelsygdom? Molybdenmangel gir fullstendig misdannelse av blomkålplanter. (A new deficiency disease? Molybdenum deficiency leads to complete malformation of cauliflower plants.) Gartneryrket nr. 36. 1951, 7 p., 2 fig.

Pflanzliche Feinde

Vegetal parasites — Parasites végétaux

Bain, D. C., Observations on resistance to black rot in cabbage. Plant Dis. Repr. 35. 1951, 200—204.

Bakker, M., Bacterievlekkenziekte in bloemkool en andere koolsoorten, veroorzaakt door *Pseudomonas maculicola* (McCulloch) Stevens. Tijdschr. Plantenziekten 57. 1951, 75—81, 6 fig.

Bakker, M., (Striped and bacteria disease.) [*Xanthomonas campestris*] Groenten en Fruit 7. 1951, 415.

Gante, Th., Herpiresistenz bei Weißkohl. (I. Mitteilung.) [*Plasmiodiophora brassicae*] Ztschr. Pfl.züchtg. 30. 1951, 188—197, 6 Abb.

Lobb, W. R., Resistant type of rape for areas infected with club root. [*Plasmiodiophora brassicae*] N. Zealand J. Agric. 82. 1951, nr. 1, p. 65—66, 2 fig.

Natrass, R. M., The »canker« or »black leg« disease of cabbages and cauliflowers. [*Phoma lingam*] East afr. agric. J. 16. 1951, 178—180, 4 fig.

Sterling, J. D. E., The inheritance of flesh colour and club root reaction in Swedes. [*Plasmiodiophora brassicae*] Sci. Agric., Ottawa, 31. 1951, 253—268.

Vasiljević, Lj. A., (*Rhizoctonia solani* Kühn as the causal agent of seedling damping-off.) Yearb. Fac. Agric., Beograd, 3 (1950—1951). 1951, 263—270, 1 tab.

Wager, V. A., The black-rot and black-leg diseases of cabbages. [*Bacterium campestris*, *Phoma lingam*] Farming South Afr. 26. 1951, 258—260.

Walker, J. C., and Larson, R. H., Progress in the development of club root-resistant cabbage. Phytopathology 41. 1951, 37.

Why club root persists. [*Plasmiodiophora*] Gard. Chronicle 129. 1951, 68.

Tierische Feinde

Animal parasites — Parasites animaux

Barth, E., Achtet auf die Kohlfiege! (Mitteilung des Pflanzenschutzamtes.) Württ. Wochenbl. Landw. 118. 1951, 340.

Blunck, H., Über eine bei *Pieris brassicae* L., seinen Parasiten und Hyperparasiten schmarotzende Mikrosporidie. [*Nosema polyvora*] 9. int. Congr. Ent., Amsterdam, 1951, VI, 8—9.

Brooks, A. R., Identification of the root maggots (Diptera: Anthomyiidae) attacking cruciferous garden crops in Canada, with notes on biology and control. Canad. Ent. 83. 1951, 109—120.

Burda, N., (Preparation against aphid.) [Antrol for the control of *Brevicoryne brassicae*] Sad i Ogorod (Orchard and Garden) 8. 1951, 75.

Busch, Th., *Anilasta vulgaris* Tschek als Parasit des großen Kohlweißlings (*Pieris brassicae* L.). Ent. Ztschr., Frankfurt a. M., 61. 1951, 97—100, 2 fig.

Carlson, E. C., Lange jr., W. H., and Sciaroni, R. H., Cabbage seedpod weevil (*Ceutorhynchus assimilis*) new enemy of seed crops of brussels sprouts and other members of mustard family can be controlled. Calif. Agric. (Calif. Stat.) 5. 1951, nr. 5, p. 10, 15, 3 fig.

Carlson, E. C., Lange jr., W. H., and Sciaroni, R. H., Distribution and control of the cabbage seedpod weevil in California. [*Ceutorhynchus assimilis*] J. econ. Ent. 44. 1951, 958—966, 3 fig.

Cook, H. H., Cabbage pests. [small black slugs, cut worms and the yellow underwing moth] Gard. Chron. 130. 1951, 242.

Dixon, S. E., The anatomy and histology of the digestive tract of *Hylemya brassicae* (Bouché) (Diptera: Anthomyiidae). Ontario ent. Soc. Ann. rept. 82 (1951). 1952, 47—60.

Dosse, G., Der Große Kohltriefbrüller *Ceuthorrhynchus napi* (Gyll.). Biologie, Schadaufreten und Bekämpfung unter besonderer Berücksichtigung der »Gallbildung« an Kohlpflanzen. Ztschr. angew. Ent. 32. 1951, 488—566, 41 Abb.

Eide, P. M., Field tests for cabbage maggot control. 1950. [*Hylemya brassicae*] Jul. Hyman & Comp. Denver 1951? 3 p.

Endrigkeit, A., Kohlfiegenbekämpfung durch vorbeugende Pflanzenbehandlung. [*Chortophila brassicae*] Neue Mitt. Landw., Hannover, 6. 1951, 436.

Ext, W., Kohlfiegenbekämpfung sofort vorbereiten. Bauernbl. Schlesw.-Holst. 5/101. 1951, 324.

Günthart, E., Versuche zur Bekämpfung der Kohlfiegen (*Hylemya brassicae*). Schweiz. Gärtnerztg. 54. 1951, Nr. 2, S. 1—2.

Heidenreich, E., Die Bekämpfung der Kohlfiege. Merck-Blätter, Darmstadt, F. 1. 1951, 4 S.

- Johansson, A. S.**, The food plant preference of the larvae of *Pieris brassicae* L. (Lepid., Pieridae). Norsk ent. Tidsskr. 8. 1951, 187—195.
- Johansson, A. S.**, Studies on the relation between *Apanteles glomeratus* L. (Hym., Braconidae) and *Pieris brassicae* L. (Lepid., Pieridae). Norsk ent. Tidsskr. 8. 1951, 145—186.
- Kastendieck, M.**, Zur Kohlfliegenbekämpfung. Anz. Schädl.kunde 24. 1951, 8—10, 1 Abb.
- Madel, W.**, Beobachtungen über das Auftreten der Mauszahnrüßler *Baris coerulea* Scop., *B. latcollis* Mrsh. und *B. cupirostris* Fbr. Mitt. Biol. Zentralanst. Berlin-Dahlem H. 70. 1951, 128—131.
- Matsumoto, S., Yushima, T., and Santa, H.**, (Studies on the number of generations of cabbage armyworm, *Barathra brassicae* L.) Oyo-Kontyu 7. 1951, 60—61 (Abstr.).
- Matsuzawa, H.**, (On the flower loving insects of the cruciferous vegetables and their activities.) Kyushu Noji Shikino 8. 1951, 115—116.
- Matsuzawa, H., and Okamoto, H.**, (On the egg-laying and the inhabiting type of *Pieris rapae* Linné in the field. (Ecological investigation on some insects injurious to vegetables. 1—2.)) Oyo-Kontyu 7. 1951, 111—116.
- Miles, M.**, Factors affecting the behaviour and activity of the cabbage root fly (*Erioischia brassicae* Bché). Ann. appl. Biol. 38. 1951, 425—432, 1 fig.
- Miles, M.**, Some aspects of cabbage root fly attack in the field. [*Erioischia brassicae*] Agriculture, Journ. Minist. Agric., London, 58. 1951, 234—237.
- Müller, F. P.**, Herzwürmer. [Kohleule] Kleingärtner u. Siedler 5. 1951, 119, 1 Abb.
- Nordström, F.**, (*Pieris brassicae* on migration.) Ent. Tidsskr. 72. 1951, 79—80.
- Pasfield, G.**, Control of cabbage pests; are cabbage white butterfly (*Pieris rapae*) larvae resistant to DDT? Agric. Gaz. New South Wales 62. 1951, 477—480.
- Plate, H.-P., and Knöpke, W.**, Kohlfliege schon jetzt bekämpfen! Mitt.bl. Landesverb. Gartenbau, Landw. Berlin 2. 1951, 24.
- Ploeger, P. L.**, (Migration of *Pieris brassicae* L. at Texel.) Ent. Ber. 13. 1951, 254.
- Schenk, P. J.**, (Spring caterpillars (*Plutella maculipennis*) in the cabbage.) Groenten en Fruit 7. 1951, 84.
- Schmidt, H.**, Vereinfachte Kohlfliegenbekämpfung. Landw. Wochenbl. Kurh. u. Waldeck 166. 1951, 29.
- Schmidt, M., und Goltz, H.**, Die einfachste Bekämpfungsmethode gegen Kohlfliege und Kohlgallenrüßler. Versuche mit Hexa- und E-Stäubemitteln. Nachr.bl. dtsh. Pfl.schutzd., Berlin, NF. 5. 1951, 201—203.
- Semenov, A. E.**, (Effectiveness of using low concentrations of benzene hexachloride dust for controlling the cabbage maggot (*Hylemya brassicae*.) Vsesoiuzn. Akad. Sel'skhoz. Nauk Dokl. 16. 1951, nr. 10, p. 35—38.
- Stolze, K. V., und Hillemann, H.**, Vereinfachtes Verfahren zur Kohlfliegenbekämpfung. Praxis u. Forsch., Oldenburg, 3. 1951, Nr. 3, 2 S., 1 Abb.
- Sugawara, H., Omori, H., and Oya, T.**, (On the alteration of the insect fauna on the cabbage and Chinese cabbage by spraying insecticides.) Oyo-Kontyu 7. 1951, 95 (Abstr.).
- Sugawara, H., Omori, H., and Oya, T.**, (Some investigations on the cabbage »goma« spot by Thrips tabaci Lindeman.) Oyo-Kontyu 7. 1951, 94—95 (Abstr.).
- Temple, V.**, Immigration of *Pieris brassicae*. Entomologist 84. 1951, 214—215.
- Thompson, C. G.**, A granulosis of the imported cabbage-worm. [virus] J. econ. Ent. 44. 1951, 255.
- Wahlin, B.**, (The silica gall midge (*Dasyneura brassicae*.) Växtskyddnotiser, Stockholm, 15. 1951, 44—45.
- Weber, F.**, Vereinfachte Kohlfliegen-Bekämpfung. Dtsch. landw. Presse 74. 1951, 117—118.
- Weber, F.**, Vereinfachte Kohlfliegenbekämpfung auf dem Acker. Hannov. land- u. forstw. Ztg. 104. 1951, 387.
- De bestrijding van glanskevers en snuitkevers in kruisbloemige gewassen.** (Control of blossom beetle (*Meligethes aeneus*) and weevils (*Curculionidae*) on Cruciferae.) Ber. netherl. plantenziektenkdg. Dienst 940. 1951, 2 p.
- Cabbage aphid.** [*Brevicoryne brassicae*] Minist. Agric., Fish., London, Adv. Leaf. nr. 269. 1951, 4 p.
- Cabbage damage.** [*Mamestra brassicae*] Gard. Chron. 130. 1951, 75.
- The cabbage moth** (*Plutella maculipennis*). New South Wales Dept. Agric. Insect Pest Leaf. 23 (rev.). 1951, 2 p.
- Cabbage white butterflies.** [*Pieris brassicae*, *Pieris rapae*] Gard. Chron. 130. 1951, 75.
- Cabbage white butterfly parasites.** J. Dept. Agric. South Austr. 55. 1951, 68, 1 fig.
- Imported cabbageworm** (*Pieris rapae* (L.)). U.S. Dept. Agric., Bur. Ent., Plt. Quar., Picture Sheet nr. 9. 2. Ed. 1951, 2 p., 1 tab. col.
- Insect pests.** [*Plutella maculipennis*, *Pieris rapae*, Psychidae on cabbage] Agric. Gaz. New South Wales 62. 1951, 149—152, 156.
- Vereinfachte Kohlfliegenbekämpfung.** Hannov. land- u. forstw. Ztg. 104. 1951, 110—111.

Virus

- Alvarez García, L. A.**, Identity of a chlorotic ring-spot virus from kale. *J. Agric. Univ. Puerto Rico* 35. 1951, 115—125.
- Jenkinson, J. G., and Jones, G. D.**, Control of cauliflower mosaic virus. [*Brevicoryne brassicae*] *Nature, London*, 168. 1951, 336—337.
- Pound, G. S., and Walker, J. C.**, Mosaic resistance in cabbage. *Phytopathology* 41. 1951, 1083—1090, 2 fig.
- Van der Linden, L.**, (Chlorosis symptoms in young potted cauliflower plants.) *Tuinbouwberichten (flem.)* 15. 1951, 52.

Capsicum

- Chevaugon, J.**, Une fusariose du piment en Côte d'Ivoire. [*Fusarium semitectum* var. *majus* on *Capsicum fastigiatum*] *Rev. Mycol. Suppl. colon.* 16 [10?]. 1951, nr. 1, p. 81—86, 2 fig.
- Cochran, H. L.**, Paradichlorobenzene for the control of blue mold (downy mildew) in pimiento plant beds. *South. Canner, Packer* 12. 1951, nr. 8, p. 11—13, 20. — *Canner* 113. 1951, nr. 8, p. 13—15.
- Comegys, W. R.**, Pepper virus diseases — symptoms, spread, and control. *Delaware State Board Agric. Bull.* 40. 1951, nr. 5, p. 32—55.
- Cox, C. E.**, Spraying peppers for disease control in Maryland. *Delaware State Board Agric. Bull.* 40. 1951, nr. 5, p. 79—81.
- Greenleaf, W. H.**, A lethal virus wilt of tabasco pepper (*Capsicum frutescens* L.). *Proc. Assoc. south. Agric. Workers* 48. 1951, 109 (Abstr.).
- Hare, W. W.**, Resistance to nematodes in pepper. *Phytopathology* 41. 1951, 16.
- Kendrick jr., J. B., Anderson, L. D., and Dickson, R. C.**, Source and seasonal spread of certain viruses in peppers in southern California. *Phytopathology* 41. 1951, 20.
- Nema, K. G., and Mahmud, K. A.**, Damping-off of chili seedlings in Madhya Pradesh due to *Pythium aphanidermatum* (Eds.) *Fitz. Nagpur agric. Coll. Mag.* 25. 1950—1951, nr. 3/4, p. 10—12.
- Smith, P. G., and Minges, P. A.**, Resistance of strains of California wonder pepper to *Phytophthora* root rot. *Plant Dis. Repr.* 35. 1951, 509.

Cichorium

- Friedman, B. A.**, *Pseudomonas marginalis* as the cause of soft rot of imported witloof chicory. *Phytopathology* 41. 1951, 880—888, 2 fig.
- Hepburn, G. A., and Bishop, H. J.**, Insects attacking chicory. *Farming South Afr.* 26. 1951, 163—164, 176.

- Schenk, P. J.**, (Endive anthracnose (*Marssonina panattoniana*.) *Groenten en Fruit* 7. 1951, 117.
- Schenk, P. J.**, (Root aphid (*Pemphigus bursarius*) of endive.) *Groenten en Fruit* 7. 1951, 138—139.
- Vanderwalle, R., et Parmentier, G.**, Une maladie de la chicorée (*Cichorium intybus*) causée par *Verticillium Dahliae* Kleb. *Parasitica* 7. 1951, 69—76.
- Verkerk, K.**, Extra belichting bij vroege andijvie. *Meded. Dir. Tuinbouw* 14. 1951, 925—940.

Citrullus, Cucumis, Cucurbita

- Anderson, Ch. W.**, Further observations on some cucurbit viruses from central Florida. *Plant Dis. Repr.* 35. 1951, 396—398.
- Anderson, Ch. W.**, Some preliminary observations on cucurbit viruses in Florida. *Plant Dis. Repr.* 35. 1951, 233—234.
- Anderson, Ch. W.**, Viruses of cucurbits in central Florida. *Proc. Florida State hort. Soc.* 64. 1951, 109—112.
- Armand, J. E.**, The squash bug (*Anasa tristis*). *Canada Dept. Agric. Proc. Publ. ser. nr.* 102. 1951, 4 p.
- Atkins jr., J. G.**, Observations on cucumber anthracnose in Louisiana. [*Colletotrichum lagenarium*] *Plant Dis. Repr.* 35. 1951, 336.
- Aycock, R.**, Investigations on a mosaic of cantaloupe in South Carolina. *Phytopathology* 41. 1951, 2.
- Banks, C. J.**, Syrphidae (Dipt.) as pests of cucumbers. *Ent. Mon. Mag.* 87. 1951, 239—240.
- Bess, H. A., and Nishida, T.**, Border spraying for melon fly (*Dacus cucurbitae*) control. *Hawaiian Univ. Agric. Ext. Circ.* 312. 1951, 4 p.
- Bhargava, K. S.**, Some properties of four strains of cucumber mosaic virus. *Ann. appl. Biol.* 38. 1951, 377—388, 1 tab.
- Brudin, L. D.**, Wolki — wrediteli bachtshewych kultur. (Wölfe — Schädlinge von Melonenfeldern.) *Priroda* 1951, 69.
- Crandall, B. S., y Patiño, B.**, Enfermedades de los pepinos, melones y sandías y su control. *Cent. Nac. Agron. C. Agr.* 32. 1951, 4 p.
- Crittenden, H. W.**, Root-knot nematode control on cantaloupes. *Phytopathology* 41. 1951, 560.
- De Stigter, H. C. M.**, The influence of stock foliage in an incompatible cucurbitaceous graft. [*Fusarium* on *Cucurbita ficifolia*] *Proc. Kon. nederl. Akad. Wetensch. C* 54. 1951, 58—65.
- Ebeling, W.**, Oriental fruit fly investigations. Melon fly control (*Dacus cucurbitae* Coq.). *Agric. Bull. (Shell) ADB.* 267/EM 2. 1951, (6+) 13 p.
- Edwards, G. R.**, Insect pests of vegetable crops. VI. Insect pests of pumpkins, melons, and related crops. [*Ceratia hilaris*, *Nezara viridula*, *Tetranychus urticae*] *J. South Austr. Dept. Agric.* 54. 1951, 448—450.

- Ellis, D. E., Noteworthy diseases of cucurbits in North Carolina in 1949 and 1950. *Plant Dis. Repr.* 35. 1951, 91—93.
- Emge, R. G., and Fulton, J. P., Control of diseases of watermelons, cantaloupes, cucumbers, squash. *Arkansas agric. Coll. Ext. Leaf.* 152. 1951, 8 p.
- Epps, W. M., Fungicides for the control of anthracnose and downy mildew on fall cucumbers. *South Carolina agric. Exp. Stat. Ann. Rept.* 63. 1951, 125—126.
- Ethells, J. L., Jones, I. D., and Bell, Th. A., Brigands in brine. [hollow cucumbers] *Res. and Farmg.* (North Carolina) 10. 1951, *Progr. Rept.* nr. 1, p. 3—4, 3 fig.
- Faan, H. Ch., and Johnson, J., The overwintering of the cucumber mosaic virus. *Phytopathology* 41. 1951, 1001—1010.
- Frost jr., M. H., The seed-corn maggot (*Hylemya ciliicrura*) in melons. *Crop Comments* 4. 1951, nr. 5, p. 4.
- Fujikawa, T., (Study on cucumber blight (*Phytophthora parasitica*). 6.) *Jap. J. Plant Prot.* 20. 1951, 54—60.
- Ghahn, A. A. A. E., Studies on the biology and control of *Epilachna chrysomelina* F. in Egypt. *Bull. Soc. Fouad I^{er} Ent.*, Cairo, 35. 1951, 77—106.
- Hansen, L., (Wilting of cucumber.) *Gartneryrket* 41. 1951, 192—194.
- Hartmair, V., Ist die Bitterstofffreiheit der Treibgurken auf dem Wege der Polyploidiezüchtung zu erreichen? (Ein Beitrag zur Frage über die möglichen Erfolgsaussichten der Polyploidiezüchtung.) *Veröff. Bundesanst. alp. Landwirtsch. Admont* H. 5. 1951, 22—26.
- Hüttenbach, H., Echter Mehltau auf Kartoffeln und Gurken. [*Erysiphaceen*] *Nachr. bl. dtsh. Pfl. schutzd.*, Braunschwg., 3. 1951, 98—100, 4 Abb.
- Ibragimov, G. P., (Spezialisierung der Arten *Colletotrichum* auf einigen Bohnen-, Kürbis- und Nachtschattengewächsen.) (*Arb. allruss. Inst. Pfl. schutz*, Moskau-Leningrad), *Liefg.* 3. 1951, 205—212.
- Iwata, Y., (Studies on the relations between the leaf maturity of cucumber and infection by downy mildew.) [*Pseudoperonospora cubensis*] *Bull. Fac. Agric. Mie Univ.* (jap.) 2. 1951, 34—42.
- Koßwig, W., Grundsätzliche Bemerkungen und Mitteilungen über ein neues Verfahren für die Pfropfung von Gurke auf Kürbis als Mittel zur Bekämpfung der Gurkenwelke. *Süddtsch. Erwerbsgärtner* 5. 1951, 21—23 u. 41—42.
- Koßwig, W., Untersuchungen über die durch *Fusarium* sp. an Gurke (*Cucumis sativus* L.) hervorgerufene Welke. (Vorläufige Mitteilung.) *Phytopath. Ztschr.* 17. 1951, 410—420.
- McKeen, C. D., *Fusarium* wilt of muskmelons and watermelons in southwestern Ontario. *Phytopathology* 41. 1951, 26.
- McKeen, C. D., Investigations of *Fusarium* wilt of muskmelons and watermelons in southwestern Ontario. *Sci. Agric.*, Ottawa, 31. 1951, 413—423, 5 fig.
- Matthewman, W. G., The striped cucumber beetle. [*Acalymma vittata*] *Canada Dept. Agric. Proc. Publ. Ser.* nr. 101. 1951, 5 p., 1 fig.
- Merrill jr., L. G., Injury to squash, field pumpkin and cucumber plants resulting from application of insecticides. *Michigan agric. Exp. Stat. Quart. Bull.* 33. 1951, 211—217.
- Michelbacher, A. E., Middlekauff, W. W., and Glover, L. C., Studies with aldrin and dieldrin against melon insects. [*Liriomyza subpusilla*] *J. econ. Ent.* 44. 1951, 390—393, 2 fig.
- Newell, I. M., Mitchell, W. C., and Rathburn, F. L., Infestation norms for *Dacus cucurbitae* in *Momordica balsamina*, and seasonal differences in activity of the parasite, *Opius fletcheri*. *Proc. Hawaiian ent. Soc.* 14. 1951, 497—508.
- Nikulina, N. K., (New means for the control of spider mite (*Tetranychus althaeae*) on cucumbers.) [NIUIF-100 preparation] *Sad i Ogorod* (Orchard and Garden) nr. 2. 1951, p. 72.
- Parris, G. K., Downy mildew resistant strains of watermelon from the Dominican Republic, West Indies. *Plant Dis. Repr.* 35. 1951, 399—401, 1 fig.
- Parris, G. K., Hints to 1951 melon growers; you can control leaf and fruit diseases. *Florida Grower* 59. 1951, nr. 2, p. 4, 18.
- Parris, G. K., Preservation of the spores of the cucurbit downy mildew fungus by freezing detached leaves. [*Pseudoperonospora cubensis* (Berk. et Curt.) Rostow.] *Plant Dis. Repr.* 35. 1951, 52—53.
- Popov, P. V., and Gurlev, A. S., (New preparation for the control of *Epitetranychus althaeae*.) [spraying cucumbers with NIUIF-100 preparation] *Sad i Ogorod* (Orchard and Garden) nr. 6. 1951, 63—65.
- Pupillo, M., La «nebbia» delle Cucurbitacee. [*Colletotrichum lagenarium*] *Inform. Fitopat.*, Bologna, nr. 11. 1951, 3—5, 4 fig.
- Robinson jr., L., Insects injurious to cucurbits, characteristics and controls. *Plant Breed. Dept. Techn. Data* 2. 1951, nr. 3, 5 p.
- Rodenburg, D., (Hotbed culture of cucumbers in 1951.) [diseases] *Groenten en Fruit* 7. 1951, 333—334.
- Rodenburg, D., (Should we use soil fumigation or budded cucumber plants?) *Groenten en Fruit* 7. 1951, 40.
- Schmidt, T., Brennfleckenkrankheit (Anthraknose) der Gurke. *Pflanzenarzt*, Wien, 4. 1951, Nr. 9, S. 5, 1 Abb.

- Sill jr., W. H.**, Some characteristics of a virus inhibitor in cucumber. *Phytopathology* 41. 1951, 32.
- Struble, F. B., and Morrison, L.**, Control of watermelon anthracnose («pox»). *Oklahoma agric. Exp. Stat. Mimeogr. Circ. M-211*. 1951, 2 p.
- Van Haltern, F.**, »Georgia 47«, mildew 0; »downy« and »powdery« defeated as new cantaloupe scores late season victories. *South. Seedsman* 14. 1951, nr. 11, p. 31, 45.
- Varney, E. H., and Moore, J. D.**, Effect of temperature on symptom expression of a virus disease of cucumber transmitted mechanically from sour cherry. *Phytopathology* 41. 1951, 36.
- Walker, J. C., and Wiles, A. B.**, Development of a scab-resistant pickling cucumber for Wisconsin. *Phytopathology* 41. 1951, 37.
- Weber, G. F., and Owen, J. H.**, Watermelon diseases in the Gainesville area of Florida for the 1951 season. *Plant Dis. Repr.* 35. 1951, 355.
- Wei, C. T., and Scheffer, R. P.**, Relation of host nutrition to the development of bacterial wilt of cucumber and fusarial wilt of watermelon. *Phytopathology* 41. 1951, 38.
- Wiles, A. B.**, Studies on *Pseudomonas lachrymans* in cucumber. *Phytopathology* 41. 1951, 38.
- Wiles, A. B., and Walker, J. C.**, The relation of *Pseudomonas lachrymans* to cucumber fruits and seeds. *Phytopathology* 41. 1951, 1059—1064, 3 fig.
- Willison, R. S.**, The effects of some stone-fruit viruses on cucumber. *Plant Dis. Repr.* 35. 1951, 254—255. — *Proc. canad. phytopath. Soc.* nr. 19. 1951, 19—20 (Abstr.).
- Wilson, J. D.**, Ohio MR 17, a new mosaic tolerant pickling cucumber. *Ohio agric. Exp. Stat. Res. Circ.* 10. 1951, 8 p.
- Blattschädigung an Gurken.** (Vorl. Mitteilung.) *Mitt. höher. Bundeslehr- u. Vers.anst. Wein-, Obst- u. Gartenb. Wien-Klosterneuburg usw.* 1. 1951, 121—123, 3 Abb.
- Daucus carota**
- Arx, J. A. v.**, De Phomopsisziekte van zaadwortelen. [Daucus carota] *Tijdschr. Plantenziekten* 57. 1951, 44—51, 3 fig.
- Bakker, M.**, Bestrijding van de Phomopsisziekte in zaadwortelen. (Control of the Phomopsis-disease in seedumbels of carrot.) [Ph. dauci] *Tijdschr. Plantenziekten* 57. 1951, 157—166, 2 fig.
- Duggen, H.**, Chemische Unkrautbekämpfung bei Möhren. *Gartenwelt* 51. 1951, 258.
- Glendenning, R., and Fulton, H. G.**, The carrot rust fly. [Psila rosae] *Canada Dept. Agric. Proc. Publ. Ser.* nr. 91. 1951, 4 p., 1 fig.
- Grogan, R. G., and Snyder, W. C.**, Occurrence and pathological effects of *Stemphylium radicum* (M.D. & E.) Neerg. on carrots in California. *Phytopathology* 41. 1951, 939.
- Korsmeier, R. B.**, Increased carrot yield through soil fumigations. *Fruit, Veg. Rev.* 13. 1951, nr. 9, p. 12—13.
- Kunkel, L. O.**, Identification of bolting disease of carrots. *Phytopathology* 41. 1951, 22.
- Reynolds, H. T., and Swift, J. E.**, Control of *Petrobia latens* in the Imperial valley of California. [on carrots] *J. econ. Ent.* 44. 1951, 642—645.
- Saburawa, P. W.**, (Physiologisch-anatomische Grundlagen der Erhöhung der Widerstandsfähigkeit der Mohrrübe gegen *Sclerotinia* unter Einfluß von Minereraldüngung.) (Arb. allruss. Inst. Pfl.schutz, Moskau-Leningrad), *Liefg.* 3. 1951, 38—48, 2 Abb.
- Stitt, L. L.**, The carrot rust fly (*Psila rosae*). *Oregon State hortic. Soc. Proc.* 66. 1951, 140—141.
- Wright, J. M.**, The carrot weevil problems in Illinois. *Amer. Assoc. econ. Ent., North Centr. States Branch, Proc.* 6. 1951, 12—13.
- Vegetable growers' field day**, Scoresby Research Station. [carrot virus] *J. Dept. Agric. Victoria* 49. 1951, 259—264, 4 fig.
- Lactuca sativa**
- Barnes, W. C.**, Mosaic resistant Parris Island, new cos (romaine) lettuce may restore »lost industry« in 1952. *South. Seedsman* 14. 1951, nr. 12, p. 24, 80.
- Broadbent, L.**, Lettuce mosaic in the field. *Agriculture, Journ. Min. Agric., London*, 57. 1951, 578—582.
- Broadbent, L., Tinsley, T. W., Buddin, W., and Roberts, E. T.**, The spread of lettuce mosaic in the field. *Ann. appl. Biol.* 38. 1951, 689—706, 6 fig.
- Dias, H. F.**, Uma virose da alface. Sua transmissão pelos afídeos. (A virosis of lettuce. Its transmission by aphids.) *Agron. lusit.* 13. 1951, 153—169; 3 tab.
- Ellis, D. E., and Cox, R. S.**, The etiology and control of lettuce damping-off. *North Carolina agric. Exp. Stat. Techn. Bull.* nr. 94. 1951, 33 p., fig., tab.
- Goossens, J.**, Een bladvlekkenziekte op jonge sla-planten veroorzaakt door *Pleospora herbarum* (Pers.) Rabenh. (A leafspot disease of young lettuce (*Lactuca sativa* L.) caused by *Pleospora herbarum* (Pers.) Rabenh.) *Tijdschr. Plantenziekten* 57. 1951, 170—171, 1 fig.
- Grogan, R. G., Welch, J. E., and Bardin, R.**, The use of mosaic-free seed in controlling lettuce mosaic. *Phytopathology* 41. 1951, 939.
- Hoffman, J. R.**, Leaf hopper (*Macrostelus divisa*) control to prevent the spread of the virus disease aster yellows in commercial lettuce production. *Michigan agric. Exp. Stat. Quart. Bull.* 33. 1951, 201—203.

- Jain, A. C., Pythium leaf-rot of lettuce. Sci. and Cult., Calcutta, 17. 1951, 258.
- Kienzie, R. A., Diseases of lettuce. Atlantic Comp. Vocat. Bull. 25 (30). 1951, nr. 6, p. 2—3.
- Pettinari, C., Stemphylium botryosum Wallr. su foglie di lattuga. (Stemphylium botryosum Wallr. on lettuce leaves.) Ann. Sperim. agr., Roma, n. ser. 5. 1951, 607—616, 5 fig. — Boll. Staz. Pat. veg., Roma, 9 (3. ser.). 1951, 31—40.
- Ritschl, A., Schäden an Kopfsalat durch den Wurzel-spinner *Hepiulus sylvinus* L. Anz. Schäd.kunde 24. 1951, 34—35, 2 Abb.
- Sloan, M. J., Rawlins, W. A., and Norton, L. B., Factors affecting the loss of DDT and parathion residues on lettuce. J. econ. Ent. 44. 1951, 701—709, 2 fig.
- Sloan, M. J., Rawlins, W. A., and Norton, L. B., Residue studies on DDT and parathion applied to lettuce for control of the six-spotted leafhopper. [Macrostelus divinus] J. econ. Ent. 44. 1951, 691—701.
- Whipp, A. A., Six-spotted leafhopper (Macrostelus divinus) control in relation to lettuce yellows. Amer. Assoc. econ. Ent., North Centr. States Branch, Proc. 6. 1951, 15.
- Wood, R. K. S., The control of diseases of lettuce by the use of antagonistic organisms. I. The control of Botrytis cinerea Pers. II. The control of Rhizoctonia solani Kühn. Ann. appl. Biol. 38. 1951, 203—216, 1 fig., 217—230.
- Spotted wilt of lettuce. New South Wales Dept. Agric. Plant Dis. Leaf. 96. 1951, 2 p.
- Raphanus sativus**
- Goto, S., and Onitsuka, M., (On the abnormal content of sugar in the radish infected with virus diseases.) Kyushu Noji Shikinjo 8. 1951, 101—102.
- Narematu, I., and Motohashi, S., (Control of radish mosaic disease.) Jap. J. Plant Prot. 20. 1951, 37—47.
- Pound, G. S., and Fowler, D. L., A Fusarium wilt of radish in Wisconsin. Phytopathology 41. 1951, 30.
- Shirahama, K., and Motohashi, S., (Relation between the population of winged aphides infesting radish seedlings and infection of radish by mosaic viruses. II.) Ann. phytopath. Soc. Japan 15. 1951, 133—134, 1 fig.
- Stitt, L. L., Control of Hylemya brassicae in radishes. J. econ. Ent. 44. 1951, 87—89.
- Takada, N., (Studies on the correlation between the emergence of injurious insects and the micrometeorological conditions of radish field, with special reference to the cabbage sawfly (Athalia colibri japonensis Rohwer).) Oyo-Kontyu 7. 1951, 105—110.
- Solanum esculentum,**
S. lycopersicum (Lycopersicon esculentum),
S. melongena
- Allgemeiner Teil
General part — Partie générale
- Bain, D. C., Five years results show value of tomato spray program. Missouri Farm Res. (Missouri Stat.) 14. 1951, nr. 9, p. 8.
- Chorin, M., and Palti, J., Leaf, stem and fruit diseases of vegetables of the Solanaceae in Israel. »Sifriat Hassadeh«, Tel-Aviv 1951. 63+VIII p., 21 fig.
- Cox, C. E., and Weaver, L. O., Arranging and adjusting power sprayer booms and nozzles for controlling tomato diseases. Maryland agric. Coll. Ext. Fact Sheet 26. 1951, 2 p.
- Cox, C. E., Weaver, L. O., and Bissell, T. L., Start the tomato disease and insect control program early. Maryland agric. Coll. Ext. Fact Sheet 19. 1951, 2 p.
- De Ruiter, D., and Van Zanten, E., (Tomato diseases that attract attention.) Groenten en Fruit 7. 1951, 40—41.
- Frazier, W. A., Tomato breeders seek multiple disease-resistant varieties; a discussion of several varieties. Mkt. Growers J. 80. 1951, nr. 3, p. 24, 26—27.
- Harrison, A. L., Breeding tomatoes for disease resistance. Phytopathology 41. 1951, 16.
- Hoadley, A. D., A method of making artificial field inoculations on the leaves and fruit of tomatoes. Phytopathology 41. 1951, 658.
- Huffington, J. M., Internal browning and related ripening disorders of tomatoes. Canner 112. 1951, nr. 24, p. 15—16, 18; nr. 25, p. 16—17, 24. (Continental Can Comp., Inc., Res. Dept., Bull. 25. 1951.) South. Canner, Packer 12. 1951, nr. 7, p. 9—11, 19—21.
- La Rotonda, C., Per la produzione industriale di pomodoro nel nastro Mezzogiorno. Ann. Fac. Agr. Portici Univ. Napoli (ser. 3) 19. 1950—1951, 115—138.
- Link, G. K. K., and Goddard, D. R., Studies on the metabolism of plant neoplasms. I. Oxygen uptake of tomato crown-gall tissue. II. The terminal oxidase patterns of crown-gall and auxin tumours of tomato. Bot. Gaz. 113. 1951, 185—195, 4 fig.
- Linn, M. B., and Wright, J. M., Tomato diseases and insect pests: identification and control. Illinois agric. Coll. Ext. Circ. 683. 1951, 55 p., 29 fig.
- Menis, Y., (The spraying of trained tomato plant.) Hassadeh (hebr.) 31. 1951, 224—226.
- Moore, J. E., and Cox, C. E., Results of tomato spray plot at Salisbury (Maryland) 1950. Delaware State Board Agric. Bull. 40. 1951, nr. 5, p. 81—83.

- Nichols, L. P., and Honey, E. E.,** Gray wall or vascular browning of tomatoes in Pennsylvania. *Plant Dis. Repr.* 35. 1951, 55—56.
- Ruge, U.,** Ertragssteigerung bei Tomaten und Bohnen, bedingt durch eine Blütenspritzung mit Hexachlor-cyclohexan. *Angew. Bot.* 26. 1951, 130—138, 2 Abb.
- Schroeder, W. T.,** Field reaction of 17 tomato varieties to three diseases in 1949 and 1950 at Geneva, New York. *Plant Dis. Repr.* 35. 1951, 160—161.
- Smith, P. G., and Zink, F. W.,** Sucrose spray on tomato; foliage sprays applied before pulling help transplants to survive storage, heat, other shocks. *Calif. Agric.* 5. 1951, nr. 8, p. 7, 13.
- Sukorceva, K. D., and Krivina, V. G.,** Cooperation between science and industry. *Sad i Ogorod (Orchard and Garden).* nr. 4. 1951, 49—53.
- Van Assche, F.,** (Outlook for growing tomatoes in 1951.) [diseases] *Tuinbouwberichten* 15. 1951, 148—150.
- Wallace, M. J.,** Tomato diseases which destroy the fruit. II. *Smallholder* 85. 1951, nr. 2147, p. 11.
- Weaver, L. O., Cox, C. E., and Bissell, T. L.,** Field control of tomato diseases and insects. *Maryland agric. Coll. Ext. Fact Sheet* 27. 1951, 2 p.
- Young, P. A.,** Increasing tomato profits by controlling diseases. *Rio Grande Valley hortic. Inst. Proc.* 5. 1951, 10—15.
- Spraying and dusting tomatoes for disease and insect control.** *Georgia Coastal Plain Exp. Stat. Pap.* 76. 1951, 2 p.
- Tomatenkrankheiten in Stichworten.** *Landfrauenarbeit* (Beil. zu »Neue Mitt. Landw.«, Hannover, 6). 1951, H. 27, S. 212—213, 10 Abb.

Nichtparasitäre Krankheiten
Diseases not caused by parasites
Maladies non parasitaires

- Calvert, O. H., and Young, P. A.,** Lenticel-like blemishes on tomato fruits. *Plant Dis. Repr.* 35. 1951, 120.
- Ciccarone, A.,** Danni da irrigazione al pomodoro. *Boll. Staz. Pat. veg., Roma*, 9 (3. ser.). 1951, 159—162, 1 fig.
- Costa, A. S.,** Necrose acrópeta do tomateiro, de origem genética. (Acropetal necrosis of the tomato of genetic origin.) *Bragantia, São Paulo*, 11. 1951, nr. 4—6, p. 93—97, 1 fig.
- Govindan, P. R.,** Influence of boron on tomato. *Sci. and Cult., Calcutta*, 17. 1951, 519—520.
- Johannesson, J. K.,** Magnesium deficiency in tomato leaves. *N. Zealand J. Sci., Techn. A* 33. 1951, 52—57, 2 fig., 1 tab. col.
- Kennerly, A. B.,** Cracking resistant summer-set tomatoes. *South. Seedsman* 14. 1951, nr. 12, p. 28, 65.

- Leggieri, L.,** Influenza della precessione culturale e dell'epoca di trapianto sulla produttività e sulla durata del ciclo vegetativo del pomodoro così detto S. Marzano. *Ann. Fac. Agr. Portici Univ. Napoli* (ser. 3) 19. 1950—1951, 24—31.
- Linser, H.,** Epidermale Wucherungen bei Tomaten nach Besprühung mit Lösungen des Natriumsalzes der 2, 4-Dichlorphenoxyessigsäure. *Mikroskopie, Wien*, 6. 1951, 242—245.
- Rick, C. M., and Robinson, J.,** Inherited defects of floral structure affecting fruitfulness in *Lycopersicon esculentum*. *Amer. J. Bot.* 38. 1951, 639—652.
- Rieuf, P.,** Le dessèchement de l'extrémité pistillaire de la tomate et du piment. *Bull. Chembre Agric. Casablanca* 22. 1951, nr. 244, p. 7—9.
- Sanford, G. B., and Davidson, T. R.,** Effect of 2, 4-dichlorophenoxyacetic acid vapour on tomato plants in a greenhouse. *Sci. Agric., Ottawa*, 31. 1951, 368—371, 1 fig.
- Stoner, W. N.,** Tomato 'graywall' is puzzle; infected organism does not transmit the disease. *Florida Grower* 59. 1951, nr. 3, p. 25, 27.
- Van der Meijs, M. Q., and Den Boer, W.,** (Deficiency diseases of tomatoes.) *Groenten en Fruit* 7. 1951, 39.
- Vinogradov, P. I.,** (Cold resistant and early-ripening tomato varieties in Moldavia.) *Selektsiia i Semenovodstvo (Selection and Seed Growing)* 18. 1951, nr. 4, p. 22—27.
- Woodhead, C. E., and Jacks, H.,** Effect of proprietary plant growth substances on fruit set and development of tomatoes. [injuries] *New Zealand J. Sci., Techn. (B)* 32. 1951, nr. 5, p. 1—7, 2 fig.
- The non-parasitic diseases of tomatoes.** *New South Wales Dept. Agric. Plant Dis. Bull.* 102. 1951, 4 p.

Pflanzliche Feinde
Vegetal parasites — Parasites végétaux

- Andrade, A. C.,** (New fungicides to control the diseases of potato and tomato.) *Biológico, São Paulo*, 17. 1951, 75—76.
- Bakker, M.,** The breeding of tomato varieties resistant to leaf mould (*Cladosporium fulvum* Cooke). *Zaadwereld* 15. 1951, 271—272.
- Bakker, M.,** De verandering van de virulentie van *Cladosporium fulvum* Cooke tengevolge van het invoeren van nieuwe tomatenrassen. (The change of virulence in *Cladosporium fulvum* Cooke in consequence of the introduction of new strains of tomato.) *Meded. Dir. Tuinbouw, Wageningen*, 14. 1951, 309—313. (*Inst. plantenziektenkdg. Onderzoek, Wageningen, Meded.* nr. 17. 1951.)
- Bardin, R.,** Unusual occurrence of ascospore infection of tomatoes by *Sclerotinia sclerotiorum*. *Plant Dis. Repr.* 35. 1951, 246.

- Borders, H. I.**, Tests of fungicides for the control of tomato plant diseases in South Georgia, 1949—1950. *Plant Dis. Repr.* 35. 1951, 98—101.
- Cardwell, L.**, Cladosporium in tomatoes. *Grower*, London, 36. 1951, 801, 803.
- Ciccarone, A.**, Note fitopatologica. I. — Importanza economica di un »marciume basale« del frutto del pomodoro in alcune aree campane. (Phytopathological notes. I. The economic importance of a stem-end rot of the tomato fruits in some campanian areas.) [*Alternaria solani*, *A. tenuis*] *Ann. Sperim. agr.*, Roma, n. ser. 5. 1951, 1375—1378, 1 fig. — *Boll. Staz. Pat. veg.*, Roma, 9 (3. ser.). 1951, 57—60, 1 fig.
- Conover, R. A.**, Control of late blight and gray leaf spot of tomatoes with new fungicides. *Florida State hort. Soc. Proc.* 63 (1950). 1951, 89—93.
- Critopoulos, P. D.**, Collar rot of tomato in California caused by *Phytophthora capsici*. *Phytopathology* 41. 1951, 937.
- De Andrade, A. C.**, Bases para a previsão do aparecimento de surtos de »requeima« do tomateiro em São Paulo. (Basis for the forecasting of late blight epiphytotic of tomato in São Paulo.) [*Phytophthora infestans*] *Arq. Inst. biol.*, São Paulo, 20. 1951, 95—108, 5 fig.
- De Carvalho, T.**, Um novo e violento ataque de mildio (*Phytophthora infestans* de Bary). (A new and violent attack of mildew (*Phytophthora infestans* de Bary).) [on potatoes and tomatoes] *Gazz. agric.*, Moçambique, 3. 1951, 282—284, 2 fig.
- Decker, Ph.**, Phomopsis-blight-resistant eggplants. *Phytopathology* 41. 1951, 9.
- Deems, R. E.**, Trichothecium fruit rot of glasshouse tomatoes. [*T. roseum*] *Phytopathology* 41. 1951, 9—10, 633—640, 3 fig.
- Dimond, A. E.**, Continuous gamma radiation suppresses crown-gall formation in tomatoes. *Phytopathology* 41. 1951, 10.
- Do Amaral, J. F.**, (An eggplant disease caused by *Phomopsis*.) *Biológico*, São Paulo, 17. 1951, 86—87.
- Dreyer, A. F.**, and **Samson, R. W.**, Survey shows tomato packers find spraying profitable. *Food Packer* 32. 1951, nr. 5, p. 55.
- Fulton, J. P.**, and **Fulton, N. D.**, *Phytophthora* root rot of tomatoes. *Phytopathology* 41. 1951, 99—101.
- Gattani, M. L.**, and **Kaul, T. N.**, Damping-off of tomato seedlings — its cause and control. *Indian Phytopath.* 4. 1951, 156—161.
- Gopalkrishna, N.**, Breeding tomato resistant to *Fusarium* wilt. *Mag. Poona agric. Coll.* 42. 1951, 51—61.
- Greenspan, F. P.**, and **Mackellar, D. G.**, The application of peracetic acid germicidal washes to mold control of tomatoes. [unspecified moulds] *Food Tech.*, Champaign, 5. 1951, nr. 3, p. 95—97.
- Groenewegen, J. H.**, (How do we prevent leaf mold on tomatoes?) *Groenten en Fruit* 6. 1951, 748—749.
- Guzmán, V. L.**, Manchas de la hoja del tomate ('septorios'). [*Septoria lycopersici*] *Agronomía*, Lima, 16. 1951, nr. 65, p. 21—22, 24—26, 28—30.
- Hannon, C. L.**, and **Weber, G. F.**, A leaf spot of tomato caused by a new *Stemphylium* sp. *Phytopathology* 41. 1951, 15.
- Havas, L. J.**, and **Heusner, A.**, Réactions tumorales et tératologiques d'une tomate tétraploïde au *Phytophthora tumefaciens* Sm. et Twinn. *Compt. rend. Acad. Sci.*, Paris, 232. 1951, 1695—1696.
- Heuberger, J. W.**, Tomato disease control by fungicides in Delaware. *Delaware State Board Agric. Bull.* 40. 1951, nr. 5, p. 73—79.
- Hoffmann, I. C.**, Let tomato leaf stay on. [*Cladosporium fulvum*] *Grower* (London) 36. 1951, 850—851.
- Iatsynina, K. N.**, (Canker (bacterial) resistant varieties of tomatoes.) *Sad i Ogorod* (Orchard and Garden) 1951, 57—58.
- Jacks, H.**, Soil disinfection. XI. Control of foot-rot (*Phytophthora cryptogea* P. et L.) of tomatoes. *New Zealand J. Sci., Techn.* (A) 33. 1951, nr. 4, p. 71—75, 2 fig.
- Jacks, H.**, Tomato leaf mould-factors in control revealed by laboratory and glasshouse tests. [*Cladosporium fulvum*] *Orchardist New Zealand* 24. 1951, nr. 7, p. 23.
- Jain, A. C.**, A bacteria disease (canker) of tomatoes, new to India. [*Corynebacterium michiganense*] *Sci. and Cult.*, Calcutta, 17. 1951, 46—47.
- Johnson, J. C.**, Phoma rot of tomatoes. [Phoma destructive] *Queensl. agric. J.* 73. 1951, 339—341, 3 fig.
- Kevorkian, A. G.**, The »White mold« disease of tomatoes in Cuba. *Phytopathology* 41. 1951, 563.
- King, C.**, and **Rogerson, C. T.**, Tomato late blight in Kansas. [*Phytophthora infestans*] *Plant Dis. Repr.* 35. 1951, 120.
- Koßwig, W.**, Gesunde Tomaten. [»Bulbosita« gegen *Cladosporium fulvum*] *Umschau* 51. 1951, 603—604.
- Linn, M. B.**, Sources of tomato late blight and suggestions for control. [*Phytophthora infestans*] *Canner* 113. 1951, nr. 19, p. 12.
- McColloch, L. P.**, *Alternaria tenuis* the cause of a tomato fruit rot. *Plant Dis. Repr.* 35. 1951, 234—236.
- MacKay, J. H. E.**, *Fusarium* wilt of tomato — the effect of level of nutrition on diseases development. *J. austr. Inst. agric. Sci.* 17. 1951, 207—211.

- Mahr, J. A., and Fountain, H. S.**, Controlling greenhouse molds. [Cladosporium on tomatoes] Farm Electr. 5. 1951, nr. 2, p. 11—12.
- Maraizama, S. J.**, Uma nova e terrível peste do tomateiro. (A new and formidable tomato scourge.) [Septoria sp.?] Chacaras Quintaes, São Paulo, 84. 1951, nr. 1, p. 44—45.
- Mezzetti, A.**, La «macchiatura batterica» dei frutti di pomodoro prodotta dalla *Pseudomonas tomato* (Okabe) Breed et al. (The «bacterial spotting» of tomatoes produced by *Pseudomonas tomato* (Okabe) Breed and al.) Ann. Sperim. agr., Roma, n. ser. 5. 1951, 95—110, 2 fig., 1 tab.
- Nagel, C. M., and Richardson, L. T.**, Tomato leaf spot control. [Septoria lycopersici] South Dakota agric. Exp. Stat. Circ. 91. 1951, 12 p., 4 fig., 1 tab. col.
- Nitsch, J. P.**, Action du jus de tomate sur la croissance des tissus de crown-gall cultivés in vitro. Compt. rend. Acad. Sci., Paris, 233. 1951, 1676—1677.
- Orillo, F. T.**, An undescribed species of *Melanconium* on tomato in the Philippines. [M. lycopersici] Philipp. Agriculturist 35. 1951, 338—339.
- Pound, G. S.**, Effect of air temperature on incidence and development of the early blight disease of tomato. Phytopathology 41. 1951, 127—135, 4 fig.
- Pound, G. S., and Stahmann, M. A.**, The production of a toxic material by *Alternaria solani* and its relation to the early blight disease of tomato. Phytopathology 41. 1951, 1104—1114, 4 fig.
- Pound, G. S., and Stahmann, M. A.**, Production of a toxic substance by *Alternaria solani* and its relation to the early-blight disease of tomato. Phytopathology 41. 1951, 30.
- Richardson, L. T.**, Tomato leaf spot control. South Dakota agric. Exp. Stat. Circ. 9. 1951.
- Rusakova, A. A.**, (Measures for control of brown spot (*Cladosporium fulvum*) of tomatoes in protected ground.) [spraying with preparations from salicylic acid anilide] Sad i Ogorod (Orchard and Garden) Jan. 1951, 64—66.
- Schaible, L., Cannon, O. S., and Waddoups, V.**, Inheritance of resistance to *Verticillium* wilt in a tomato cross. Phytopathology 41. 1951, 986—990, 1 fig.
- Schmidt, T.**, Die Bakterienwelke der Tomaten. Pflanzenarzt, Wien, 4. 1951, Nr. 7, S. 7, 1 Abb.
- Schroeder, W. T., and Tapley, W. T.**, A three-year response of six varieties of tomato to a fungicide spray program. Phytopathology 41. 1951, 660.
- Smith, C. B.**, The nutrient-element balance of the tomato and its susceptibility to *Phytophthora infestans* as affected by two levels of zinc. Plant Physiol. 26. 1951, 737—749, 2 fig. — Pennsylv. State Coll. Abs. Doct. Diss. 13. 1951, 337—340.
- Smith, H. C.**, Verticillium wilt of apricot, gooseberry, strawberry, and tomato. New Zealand J. Agric. 83. 1951, 129—130.
- Smith, P. G.**, Lab men solve tomato wilt evil. West. Grower, Schipper 22. 1951, nr. 11, p. 12—13.
- Stapp, C.**, Eine neue Infektionsmethode mit *Bacterium michiganense*, dem Erreger der bakteriellen Welkekrankheit der Tomaten. Phytopath. Ztschr. 18. 1951, 111—113, 1 Abb.
- Strong, M. C.**, Preliminary tests of fungicide combinations in tomato sprays and dusts. [Phytophthora infestans, Colletotrichum phomoides] Michigan agric. Exp. Stat. Quart. Bull. 33. 1951, 320—325, 6 fig.
- Swank jr., G.**, Tomato rot due to a strain of *Glomerella cingulata*. Plant Dis. Repr. 35. 1951, 329, 1 fig.
- Wallin, J. R.**, Response of the tomato and potato in field plots inoculated with *Phytophthora infestans*. Phytopathology 41. 1951, 37.
- Walter, J. M.**, Fungicides for fall tomatoes. Florida Grower 59. 1951, nr. 10, p. 30—31.
- Wilson, J. D.**, Comparative performance of 40 fungicidal formulations in the control of a severe outbreak of tomato late blight. Phytopathology 41. 1951, 39.
- Wilson, J. D.**, Coppers win over organics in tomato blight spray tests. Food Packer 32. 1951, nr. 6, p. 40, 45.
- Wilson, J. D.**, Fungicides for controlling tomato late blight. Ohio Family, Home Res. 36. 1951, nr. 268, p. 6—7, 2 fig.
- Wilson, J. D.**, Tomato late blight control in 1950. Ohio agric. Exp. Stat. Res. Circ. 11. 1951, 20 p. — Ohio Farm, Home Res. 36. 1951, 18—32.
- Yamada, S.**, New disease of tomato (*Lycopersicon esculentum* Mill.) caused by *Cercospora* sp. Ann. phytopath. Soc. Japan 15. 1951, nr. 2, p. 61—66, 2 fig.
- Young, P. A.**, Chemical control of weeds in converting pasture land to tomato production in East Texas. Texas agric. Exp. Stat. Progr. Rept. 1338. 1951, 3 p.
- Younkin, S. G.**, Elimination of late blight as a serious tomato threat is possible. News, Views Campbell's 6. 1951, nr. 2, p. 1, 4.
- Bacterial canker of tomatoes.** [*Corynebacterium michiganense*] New South Wales Dept. Agric. Plant Dis. Leaflet 59. 1951, 4 p.
- Golden Sphere tomato.** [resistant to *Fusarium bulbigenum* var. *lycopersici*] Seed World 68. 1951, nr. 9, p. 10, 1 fig.

Tierische Feinde

Animal parasites — Parasites animaux

- Aburto M., S.**, Experimentos efectuados para el control de *Dicyphus minimus* (Uhl.) la chinche del jitomate en Morelos. Mexico Ofic. Estud. Espec. Fol. Misc. 4. 1951, 146—149.
- Archimowitsch, K.**, Plagas del tomate en el año 1950. [insecto] Siembra (Spain) 7. 1951, nr. 5, p. 21—22.
- Chitwood, B. G.**, Root-knot nematodes. II. Quantitative relations of the root-knot nematode *Meloidogyne hapla* Chitwood, 1949 with tomatoes, onions and lima beans. Plant and Soil 3. 1951, 47—50.
- Ciccarone, A.**, L'acaro rugginoso del pomodoro. Giorn. Agric. 61. 1951, 241.
- Clinch, F. A.**, True tomato worm (*Protoparce quinque-maculata*) has rear 'horn'. Farm and Gard., Watertown, Aug. 1951, 4.
- Connell, W. A.**, and **Catts jr., E. P.**, Insecticide tests on tomatoes in 1950. Delaware State Board Agric. Bull. 40. 1951, nr. 5, p. 61—73.
- Dorst, H. E.**, and **Knowlton, G. F.**, Tomato russet mite (*Vasates destructor*). Utah State agric. Coll. Ext. Bull. 216. 1951, 2 p.
- Earley, D.**, Protecting tomato seedlings from insects. Texas Farming, Citricult. 27. 1951, nr. 8, p. 8—9.
- Edwards, G. R.**, Insect pests of vegetable crops. V. Insect pests of tomatoes. J. South Austr. Dept. Agric. 54. 1951, 343—348.
- Frigerio, J. C.**, Enfermedades e insectos que atacan al tomate. Pampa Argentina 24. 1951, nr. 288, p. 16—17.
- Peay, W. E.**, and **Knowlton, G. F.**, Tomato fruitworm (*Heliothis armigera*) control. Utah State agric. Coll. Ext. Bull. 234. 1951, 2 p.
- Ratkovich, M.**, Forma de combatir el gorgojo del tomate (*Phydenus muriceus*). Campo, Tacuba, 19. 1951, nr. 707, p. 78—79.
- Rosella, E.**, Contre l'anguillule des oeillets et des tomates on peut désinfecter la terre. Réveil Agric. 60. 1951, 70—71.
- Schuder, D. L.**, The effects of some of the newer insecticides on tomatoes and tomato insects. Indiana Acad. Sci. Proc. 60 (1950). 1951, 211—221.
- Viado, G. B.**, Reproductive capacity of the tomato lady beetle (*Epilachna philippinensis*). Philipp. Agric. 34. 1951, 202—212.
- Young, P. A.**, **Godfrey, G. H.**, **Calvert, O. H.**, and **Richardson, B. H.**, Russet mite damage to tomatoes in Texas in 1950. Plant Dis. Repr. 35. 1951, 54.

Virus

- Cannon, O. S.**, and **Waddoups, V.**, A greenhouse method for testing tomatoes for resistance to curly top. Phytopathology 41. 1951, 936.
- Ciferri, R.**, Gli »scopazzi«: una virosi del pomodoro affine alla »aspermia« del pomodoro in Italia (»Witches' broom«: a virosis of tomato allied to tomato »aspermy« in Italy.) Not. Mal. Piante nr. 16. 1951, 16—20.
- Doolittle, S. P.**, and **Alexander, L. J.**, Occurrence of tobacco etch virus on greenhouse tomatoes in Ohio. Plant Dis. Repr. 35. 1951, 351—353, 2 fig.
- Giddings, N. J.**, **Bennett, C. W.**, and **Harrison, A. L.**, A tomato disease resembling curly top. Phytopathology 41. 1951, 415—417, 1 fig.
- Groenewegen, J. H.**, (Some important points in regard to tomato mosaic virus.) Groenten en Fruit 7. 1951, 420—421.
- Henner, J.**, Die Farnblättrigkeit der Tomate. Pflanzenarzt, Wien, 4. 1951, Nr. 11, S. 3, 2 Abb.
- Kendrick jr., J. B.**, **Middleton, J. T.**, and **Chapman, H. D.**, The influence of nutrition upon tobacco mosaic virus-infected tomatoes. Phytopathology 41. 1951, 940.
- Lackey, Ch. F.**, Histological studies of a tomato disease resembling curly top. Phytopathology 41. 1951, 418—419, 1 fig.
- McClean, A. P. D.**, Trostopsiekte by tomaaties; ander gashere en oordraging van die virus deur die saad van besmette plante. (Bunchy top of tomatoes; another host and transmission of the virus through the seed of infected plant.) South Afr. Dept. Landbouwetensk. Pamfl. 256. 1951, 28 p.
- Price, W. C.**, and **Fenne, S. B.**, Tomato rosette, a severe disease caused by a strain of tobacco mosaic virus. Phytopathology 41. 1951, 1091—1098, 2 fig.
- Shipinova, S. I.**, (Spotted wilt of tomatoes in Azerbaidzhan.) [virus disease transmitted by thrips] Sad i Ogorod (Orchard and Garden) nr. 5. 1951, 77—78.
- Smith, P. G.**, and **Gardner, M. W.**, Resistance in tomato to the spotted wilt virus. Phytopathology 41. 1951, 257—260, 1 fig.
- Uschdraweit, H. A.**, Die Bedeutung des Tabakmosaikvirus und des Kartoffel-X-Virus für den Tomatenanbau. Angew. Bot. 26. 1951, 118—129.
- Uschdraweit, H. A.**, Viruserkrankheiten der Tomaten. Phytopath. Ztschr. 18. 1951, 231—245, 11 Abb.
- Uschdraweit, H. A.**, Die Viruserkrankheiten der Tomaten nehmen zu! Mitt.bl. Landesverb. Gartenb. u. Landwirtsch. 1. 1951, 60.
- Van der Linden, L.**, (Cork root; dangerous enemy of the tomato culture.) Tuinbouwberichten 15. 1951, 116—117.

Watson, R. D., and Heinrich, E. C., The inheritance of resistance to tobacco mosaic virus in interspecific tomato crosses. *Phytopathology* 41. 1951, 944.

Spinacia oleracea

Bender, E. K., and Stark, F. C., Weed control experiments with spinach and canning peas. *Canning Trade* 74. 1952, nr. 31, p. 7—8.

Danielson, L. L., Chickweed control in spinach. *Virginia agric. Coll. Ext. Veg. Growers News* 5. 1951, nr. 12, p. 3—4.

Middleton, J. T., and Kendrick jr., J. B., Viruslike leaf malformation of spinach induced by 2, 4-dichlorophenoxyacetic acid. *Phytopathology* 41. 1951, 941.

Miles, M., The spinach stem fly. [*Hylemyia echinata*] *Agriculture, J. Minist. Agric.*, London, 58. 1951, 331—334.

Singh, B., and Gupta, V. C., An anthracnose disease (*Colletotrichum spinaciae*) of spinach. *Curr. Sci.* 20. 1951, 239—240.

Singh, B., and Gupta, V. C., Diseases of spinach. *Curr. Sci.* 20. 1951, 104—105.

Yerkes jr., W. D., Shaw, Ch. G., and Fischer, G. W., Spinach smut, *Entyloma ellisii* Halsted, a new record for Washington State. *Phytopathology* 41. 1951, 854—856, 1 fig.

f. Arznei- und Gewürzpflanzen

Medicinal plants and spices

Plantes médicinales et aromatiques

Angell, H. R., and Hills, K. L., Seedling blight. III. Control of seedling blight of Opium poppy by liming. *J. austr. Inst. agric. Sci.* 17. 1951, 17—24, 1 fig.

Baxter, J. W., The occurrence of rust on peppermint in western Ontario. *Plant Dis. Repr.* 35. 1951, 418.

Campacci, C. A., (Occurrence of *Phytophthora parasitica* Dast on castor-bean.) *Biológico, São Paulo*, 17. 1951, 142—143.

Dietz, S. M., Steenland, A. P., and Horner, C. E., Mint rust (*Puccinia menthae*) epiphytic in the northwest. *Phytopathology* 41. 1951, 938.

Frömming, E., und Plate, H.-P., Schneckenfraßschäden an *Datura*. *Pharmazie* 6. 1951, 123—124, 9 Abb.

Ghillini, C. A., Una pianta di »*Styrax officinalis*« affetta da necrosi della corteccia. [*Nectria cinnabarina*] *Not. Mal. Pianta* nr. 14. 1951, 7—11.

Green jr., R. J., The phytopathology of *Mentha piperita* L. *Ind. Acad. Sci. Proc.* 60 (1950). 1951, 97—101.

Green, R. J., Studies on the host range of the *Verticillium* that causes wilt of *Mentha piperita* L. *Science, Lancaster*, 113. 1951, 207—208.

Melville, C., The quantitative determination of insect infestation in powdered vegetable drugs. *Pharm. J.* 167. 1951, 272—273.

Mühle, E., Zur Biologie und Bekämpfung des Pfefferminzrostes, *Puccinia menthae* Pers. *Pharmazie* 6. 1951, 541—546, 5 Abb.

Mühle, E., und Fröhlich, G., Vergleichende Untersuchungen über *Brachyrrhinus* (= *Otiorrhynchus*) *ligustici* L. und *Liophloeus tessulatus* Müll. und deren Beziehungen zum Liebstöckel, *Levisticum officinale* Koch. *Beitr. Ent.*, Berlin, 1. 1951, 1—41, 20 Abb.

Nelson, R., Control of mint rust with dust fungicides. *Phytopathology* 41. 1951, 27.

Novokreshenov, P. I., (Effect of pre-harvest defoliation of castor-beans on yields of seeds and mechanization of harvesting.) *Selektsiia i Semenovodstvo* (Selection and Seed Growing) 18. 1951, nr. 9, p. 23—26.

Patel, M. K., Kulkarni, Y. S., and Dhande, G. W., Bacterial leaf-spot of castor. *Curr. Sci.*, Bangalore, 20. 1951, 20.

Roland, G., Notes sur deux affections d'*Hyoscyamus niger* L. *Parasitica* 7. 1951, 151—153, 1 tab.

Sharma, O. P., and Mahmud, K. A., A leaf rot of *Mentha viridis* Linn. caused by *Rhizoctonia solani* Kühn. *Nagpur agr. Coll. Mag.* 25. 1950/1951, nr. 3/4, p. 23.

Srivastaya, H. C., Damping-off in *Saponaria* L. [*Pythium indicum*, *P. debaryanum*, *Rhizoctonia* (*Corticium*) *solani*] *Sci. and Cult.* 17. 1951, 226—227, 1 fig.

Yamamoto, M., (Bacterial leaf spot of Jimson weed, with special reference to the resistance of the causal organism to various chemicals.) [Phytoplasma hemmianan n. sp. on *Datura* spp.] (*Forsch. Pfl.-krankh.*), Kyoto, 4. 1951, 160—168.

Ziarkewicz, T., Z badan nad biologią owadów występujących na niektórych roślinach leczniczych. (Untersuchungen über die Biologie von Insekten, die einige Heilpflanzen befallen.) *Ann. Univ. Mariae Curie Skłodowska Lublin, Sekt. E.* 6. 1951, 201—229.

g. Varia

Bernaux, P., Deux maladies cryptogamiques intéressantes. [*Puccinia carthami* on safflower, *Septoria cravensis* on *Teucrium cravense*] *Feuille Naturalistes* 6 (n. ser.). 1951, 67.

Cheremisinov, N. A., (Michurin's teaching-basis of measures for controlling diseases in kok-saghyz.) *Priroda* (russ.) 40. 1951, nr. 6, p. 30—38.

Cheremisinov, N. A., (Mildew of kok-saghyz.) [*Sphaerotheca fuliginea*] *J. Bot. USSR.* 36. 1951, nr. 1, p. 72—77, 2 fig.

- Cheremisinov, N. A.**, (To preserve the natural overgrowths of kok-saghyz.) [fungus diseases] Priroda (russ.) 40. 1951, nr. 4, p. 45—46.
- Cicarone, A.**, La «nebbia» del carciofo (*Cynara scolymus* L.) e del cardo (*Cynara cardunculus* L.). [Ovulariopsis] Boll. Staz. Pat. veg., Roma, 9 (3. ser.). 1951, 163—204, 16 fig.
- Dudnik, A.**, (Stieglitze (*Carduelis carduelis*) als Schädlinge der Samenträger von Kok-Saghyz (*Taraxacum koksaghyz*). (Natur, Moskau), H. 10. 1951, 67.
- Flemion, F.**, and **MacNear, B. T.**, Reduction of vegetative growth and seed yield in umbelliferous plants by *Lygus oblineatus*. Contrib. Boyce Thompson Inst. 16. 1951, 279—283, 1 fig.
- Janson, B. F.**, A new disease of dill, *Phytopathology* 41. 1951, 19.
- Kloft, W.**, Über die Einwirkungen einiger bienenwirtschaftlicher Rindenläuse auf das Pflanzenwachstum. [Auszüge von *Physokermes coryli*, *Cinara taeniata*, *C. piceae* und *C. pinea* von *Lepidium sativum*] Ztschr. Bienenforsch. 1. 1951, 56—62.
- Krasnopol'skaia, L. F.**, (Insects damaging kok-saghyz plants.) Seleksiia i Semenovodstvo (Selection and Seed Growing) 18. 1951, nr. 3, p. 55—59.
- Lange jr., W. H.**, **Sciaroni, R. H.**, and **Carlson, E. C.**, Artichoke plume moth (*Platyptilia carduidactyla*); chemical control now possible if applications of proper chemicals are correctly timed. Calif. Agric. 5. 1951, nr. 9, p. 4, 15.
- Luttrell, E. S.**, Diseases of guar in Georgia. [Cyamopsis tetragonoloba] Plant Dis. Repr. 35. 1951, 166.
- McLean, D. M.**, Sclerotinia stem rot and Ramularia leaf spot of dandelion grown for seed in Skagit County, Washington. [on *Taraxacum officinale* Weber] Plant Dis. Repr. 35. 1951, 162—163, 2 fig.
- Spencer, D. M.**, Watercress investigations. [crook root disease of watercress (*Spongopora* sp.)] Nat. Veg. Res. Stat. Warwick Rept. 1950. 1951, 52—56.
- Thomas, C. A.**, The occurrence and pathogenicity of *Phytophthora* species which cause root rot of safflower. Plant Dis. Repr. 35. 1951, 454—455.
- Watson, J. S.**, The rat problem in Cyprus; a report of investigations made in carob-growing areas. Great-Brit. Colon. Off. Colon. Res. Publ. 9. 1951, 66 p.
- White, J. H.**, Observations on the life history and biology of *Tipula lateralis* Meig. [on watercress] Ann. appl. Biol. 38. 1951, 847—858, 7 fig.
- Wort, D. J.**, Effects of non-lethal concentrations of 2, 4-D on buckwheat. Plant Physiol. 26. 1951, 50—58.

6. Obst Fruits — Fruits

a. Allgemeiner Teil General part — Partie générale

- Aldinger, G.**, Untersuchungen über Wundheilung an unseren Obstbäumen. Obstbau 69. 1950, 69—70, 85—86, 8 Abb., 101—102, 6 Abb., 121—122, 10 Abb., 138—139, 14 Abb., 153—155, 18 Abb.; 70. 1951, 40—41, 6 Abb., 56—57, 12 Abb.
- Bardia Bardia, R.**, Enfermedades de los árboles frutales. Cult. Mod. (Spain) 34. 1951, 4—5.
- Bömeke, H.**, Versuche mit Hormonen im Obstbau. Mitt. Mitgl. Obstbauvers.ring Altes Land usw. 6. 1951, 142—143.
- Brooks, R. M.**, and **Olmo, H. P.**, Register of new fruit and nut varieties. [disease resistance] Proc. amer. Soc. hort. Sci. 58. 1951, 386—407.
- Bush, R.**, When the bough breaks — bolt is back again. Grower, London, 36. 1951, 1134—1136.
- Chandler, W. H.**, and **Brown, D. S.**, Deciduous orchards in California winters. Calif. agric. Coll. Ext. Circ. 179. 1951, 37 p.
- Cinq-Mars, L.**, Nouvel équipement pour la protection des vergers. Queensl. Soc. Pomol. Fruit Cult. Ann. Rept. 1950. 1951, 98—105.
- Conway, T.**, Pests and diseases of fruit trees in New Zealand. New Zealand J. Agric. 82. 1951, 159—164.
- Davis jr., S. H.**, What's wrong with my tree? [injuries and diseases] New York State agric. Exp. Stat. Circ. 540. 1951, 12.
- Dehor, H. W.**, Bäuerlicher Obstbau am Scheidewege. Hess. Obstbau 6. 1951, 117—118.
- Del Cañizo, J.**, Las plagas y enfermedades de los frutales en el vivero. I—II. Siembra, Madrid, 7. 1951, nr. 5, p. 9—12; nr. 6, p. 9—13.
- Della Boffa, G.**, La difesa del frutteto dalle malattie e parassiti. (Protection of fruit trees from diseases and parasites.) Hoepli, Milano 1951. 297 p.
- Fiorito, G.**, Per la difesa delle piantagioni frutticole. Agric. Napoletana 18. 1951, nr. 1, p. 14—18.
- Frank, M.**, Obstbaumpflege im Winter. Bauernbl. Schlesw.-Holst. 5./101. 1951, 157—158, 2 Abb.
- Haug, E.**, Erfahrungen mit Hormonspritzungen im Obstbau. Obstbau 70. 1951, 122.
- Hiemeleers, J.**, (Always new enemies in fruit culture.) Tuinbouwberichten (Hem.) 15. 1951, 155—156.

Klinkowski, M., und Nolte, H.-W., Bäuerlich-gärtnerischer Pflanzenschutz. Heft 6: Obstbau I, Allgemein und Kernobst. Heft 7: Obstbau II, Stein- und Beerenobst. K. P. Hofmann, Zella-Rhön und Hünfeld/Hessen 1951. 16 S., 17 Abb., 1 Spritzkalender; 16 S., 20 Abb., 1 Spritzkalender.

Köppel, Überbrücken, eine Maßnahme, beschädigte Obstbäume wieder leistungsfähig zu machen. Obstbau 70. 1951, 156.

Kotte, W., Erfahrungen im obstbaulichen Pflanzenschutz. Bauern-Ztg. 4. 1951, nr. 31, p. 7—8.

Kronberg, O., Zur Frage der Immunität einzelner Sorten. Kleingärtner u. Siedler 5. 1951, 152.

Loewel, E. L., Rückblick auf die erste Hälfte der Vegetationsperiode 1951. Mitt. Mitgl. Obstbauvers. ring Altes Land usw. 6. 1951, 82—86, 2 Abb.

McNew, G. L., McCallan, S. E. A., and Miller, P. R., The control of fruit and vegetable diseases. VII—XII. Canning Trade 73. 1951, nr. 27, p. 11—12, 25—27; nr. 28, p. 6—8, 21—23; nr. 29, p. 50, 52, 54—55, 64; nr. 30, p. 7—9, 20; nr. 31, p. 6—9; nr. 32, p. 6—8.

Martelli, G. M., Difesa sanitaria dei prodotti ortofrutticoli. Giorn. Ital. agric. 36. 1951, nr. 45, p. 3.

Mills, W. D., Fruit diseases in 1950. New York State hort. Soc. Proc. 96. 1951, 166—178.

Mills, W. D., and Laplante, A. A., Diseases and insects in the orchard. Cornell Univ. agric. Coll. Ext. Bull. 711. 1951, 100 p.

Popova, M. P., and Soboleva, V. P., Vrediteli i bolezni plodovo-jagodnykh kul'tur. (Schädlinge und Krankheiten des Obstes und Beerenobstes.) Gos. Izd-vo Selkhoz. Lit-ry (Staatsverl. Landw.), Moskva 1951. 262 p., 92 fig.

Scheil, W., Inventur im Obsthof. Mitt. Mitgl. Obstbauvers. ring Altes Land usw. 6. 1951, 179—181, 5 Abb.

Seitzer, Kampf dem Pfuschertum in der Obstbaumpflege! Obstbau 70. 1951, 88—89, 6 Abb.

Soenen, A., Les bases de l'avertissement en culture fruitière. — De grondslagen der waarschuwing in de fruitteelt. Compt. rend. Rech. Inst. Encour. Rech. sci. Ind., Agric. (I. R. S. I. A.), Bruxelles, nr. 5, 1951, 1—84, fig.

Soenen, A., et Aerts, R., S. O. S. — nos vergers en danger. Fruit belge 19. 1951, 97—98.

Stellwaag, F., Schädlingsbekämpfung im Obstbau. E. Ulmer, Stuttgart, z. Zt. Ludwigsburg 1951. 100 S., 70 Abb. (Grundl. u. Fortschr. Garten- u. Weinbau H. 92).

Weaver, L. O., Apple and peach diseases 1950. Maryland agric. Soc. — Maryland Farm Bur. Rept. 35 (1950). 1951, 151—154.

Wenck, F., Wie sind die Äste beim Auslichten zu entfernen? Obstbau 70. 1951, 18—19.

Wilke, G., Unsere Garten-Schädlinge. F. Schacht K. G., Braunschweig 1951. 106 S., 104 farb. Abb.

Zörnitz, H., Krankheiten der Obstbäume und Beerensträucher und ihre Behandlung. Hans Putty-Verlag, Wuppertal-Elberfeld 1951? 19 S., m. Abb.

Control of insects and diseases on bush fruits. [sprays and dusts] New Jersey agric. Coll. Ext. Spray Calendar 46. 1951, 8 p.

Kronenpflege der ertragsfähigen Obstbäume. Bad. landw. Wochenbl. 118. 1951, 760—761, 2 Abb.

Pests and diseases of fruit trees in New Zealand. New Zealand J. Agric. 82. 1951, 159—165.

Travaux du Centre de Recherche de parasitologie fruitière. C. r. Rech. Inst. Encour. Rech. sci. Ind. Agric. (I. R. S. I. A.), Bruxelles, nr. 5. 1951, 125 p., div. fig.

Zu viele schlechte Obstbäume — zu wenig Qualitätsobst! Pflanzenarzt, Wien, 4. 1951, Nr. 12, S. 3.

b. Nichtparasitäre Krankheiten

Diseases not caused by parasites

Maladies non parasitaires

Aubert, Ph., La formation des arbres fruitiers avec tige intermédiaire permet d'éviter les dégâts de gel d'hiver. Rev. rom. Agric., Vitic., Arboric. 7. 1951, 70—71, 4 fig.

Beran, F., Die »Frostspritzung«, eine neue Möglichkeit. Gartenwelt 51. 1951, 21—22.

Biedermann, H., Parthenokarpie als Ursache mißgestalteter Birnenfrüchte. Nachr. bl. dtsh. Pfl.-schutzd., Braunschwg., 3. 1951, 57.

Bömeke, H., Wie benutze ich die Hormonmittel zur Verhinderung des Fruchtfalls? Mitt. Mitgl. Obstbauvers. ring Altes Land usw. 6. 1951, 86—88, 2 Abb.

Bougard, M., Un aspect de la phytotoxicité du cuivre en arboriculture fruitière. Fruit belge 19. 1951, 161—167.

Ciferri, R., Qualche dato recente circa le malattie da carenza nutrizionale degli alberi fruttiferi. Atti Ist. bot. Univ. Pavia 8. 1951, 181—203.

Clayton, C. N., and Fink, H. C., Minor diseases of a major crop. Res. and Farming [North Carolina Exp. Stat.] 9. 1951, nr. 4, p. 5, 1 fig.

Courshee, R. J., Frost damage prevention, a review of current mechanical methods. Brit. Farm Mech. 3. 1951, 155—156.

Delmas, H. G., et Bernard, R., La carence en zinc des arbres fruitiers. Bull. techn. Inf. Ing. Serv. agric., Paris, 60. 1951, 365—373.

Gallay, R., Staehelin, M., et Jenny, J., La défense des cultures arboricoles contre le gel à l'aide de chauffettes californiennes et d'appareils »Frostguard«. Landw. Jahrb. Schweiz 65. 1951, 903—908, 5 fig.

- Clarbo, P.**, (Observations concerning use of boron in orchards.) Erhvervsfrugtavlere (dan.) 18. 1951, 10—11.
- Hansen, C. M.**, Fighting frost. Amer. Fruit Grower 71. 1951, nr. 3, p. 14, 28—30.
- Harley, C. P.**, Arsenic injury. [on fruit] U.S. Dept. Agric. agric. Handb. 10. 1951, 250—251.
- Harris, W. B.**, Copper deficiency of fruit trees. J. Dept. Agric. South Austr. 54. 1951, 277—279, 3 fig.
- Hilkenbäumer, F.**, Bodenmüdigkeit, eine Gefahr für Baumschulen und Obstbau. Süddtsch. Erwerbsgärtner 5. 1951, 309. — Dtsch. Garten 62. 1951, Nr. 14, S. 1. — Schweiz. Gärtnerzeitg. 54. 1951, nr. 7, S. 1.
- Hilkenbäumer, F., Schnelle, F., und Breuer, W.**, Bestands- und Ertragssicherung im Obstbau durch Frostschadenverhütung. Zweckm. Arb.weise Obstbau (Neumann Verl., Radebeul-Berlin) H. 7. 1951, 88 S., zahlr. Abb.
- Hochapfel, H.**, Keimphysiologische Versuche mit E 605 forte bei Obstsaaten. Mitt. Biol. Zentralanst. Berlin-Dahlem H. 70. 1951, 96—98.
- Hoppe, Kann** durch Wuchshormone das vorzeitige Abfallen der Früchte verhütet werden? Obstbau 70. 1951, 102—103.
- Horsfall jr., F.**, TCPA (2,4,5-Tri-Chloro-Phenoxy-Propionic Acid), a new stop-drop spray. Virginia Fruit 39. 1951, nr. 8, p. 27—28, 30.
- Jaivenois, M.**, Les causes des brûlures provoquées par les traitements antiparasitaires. Fruit belge 19. 1951, 73—79.
- Jeffery, C. W.**, Dinitro-cresol dormant sprays for combating delayed foliation on apples, pears and prunes. South Afr. Dept. Agric. Sci. Bull. 325. 1951, 24 p.
- Klumpp, E.**, Kupferschlacke zur Behebung der Obstbaummüdigkeit. Hess. Obstbau 6. 1951, 51—52.
- Knickmann, E.**, Etwas über Bodenmüdigkeit. Hess. Obstbau 6. 1951, 53—54.
- Knickmann, E.**, Wie beugt man einem Mangel an »Spurenstoffen« vor? Hess. Obstbau 6. 1951, 102—103.
- Kobernuß, E.-Ch.**, Untersuchungen zur Ursache und Behebung der Bodenmüdigkeit bei Obstgehölsen. Kühn-Archiv 64. 1951, 365—408, 29 Abb., 8 Taf.
- Liebster, G.**, Elektrizität vernichtet Obstbäume. Dtsch. Baumschule 3. 1951, 222—223.
- Lilleland, O.**, Sodium-excess injury. U.S. Dept. Agric. agric. Handb. 10. 1951, 249.
- Loewel, E. L.**, Frostschäden oder Spritzschäden? Mitt. Mitgl. Obstbauvers.ring Altes Land usw. 6. 1951, 69—70, 5 Abb.
- Luce, W. A.**, Winter injury. Idaho State hort. Soc. Trans. 1951, 15—19.
- Lusis, E.**, Bor- und Zinkmangel bei Obstbäumen. Hess. Obstbau 6. 1951, 69—70.
- McKenzie, D. W.**, Trials of some commercial plant-growth substances for the control of fruit drop. New Zealand J. Sci. (Sect. A.) 31. 1951, nr. 6, p. 40—46.
- Maurer, K. J.**, Was sind baummüde Böden? Obstbau 70. 1951, 135—136.
- Maurer, K. J.**, Zur Frostresistenz der Obstgehölze. Dtsch. Garten 62. 1951, Nr. 9, S. 1—2.
- Ødelien, M.**, (Deficiency diseases of crops considered in connection with fertilizing, liming and soil conditions.) Frukt og Baer 4. 1951, 151—158.
- Overly, F.**, Fruit tree and bud injury in North Central Washington. [effect of cold] West. Fruit Grower 5. 1951, nr. 11, p. 11.
- Pauck, P.**, Spätfrostschäden im Obstbau, Möglichkeiten zur Abwehr. Dtsch. Garten 62. 1951, Nr. 5, S. 6—7.
- Perrot, H.**, Beregnung und Frostschutz im Obst- und Weinbau. Int. Landmaschinen-Markt 3. 1951, Nr. 3, S. 81—85.
- Podufalyi, T. I.**, (Importance of perennial legumes and grasses for the control of chlorosis in fruit trees.) [effect on fruit soils] Sovet. Agron. 9. 1951, nr. 4, p. 92—94.
- Rakitin, I. V., and Kritskaja, L. M.**, (Protection of fruit plants from damage by spring frosts.) Dokl. Akad. Nauk USSR. 80. 1951, 453—455.
- Rogers, W. S.**, General review of research work with lists of papers published during the year. I. Pomology. [frost-damage investigations] East Malling Res. Stat. Ann. Rept. 1951 (39). 1952, 25—31.
- Rosener, H.**, Noch einmal »Vorzeitige Vergreisung«. Mitt. Mitgl. Obstbauvers.ring Altes Land usw. 6. 1951, 23—24.
- Rossi, L.**, La difesa invernale delle piante da frutto. Riv. Fruttic. 13. 1951, 50—54.
- Scavone, G.**, (When the tree is lacking-floods and -damage to millions.) Agric. Ital. 2. 1951, 510—512.
- Schenk, P. J.**, (Symptoms of potassium deficiency.) Groenten en Fruit 6. 1951, 848.
- Schmidt, H.**, Beobachtung über Gasschäden an Obstbäumen. Dtsch. Baumschule 3. 1951, 10—12.
- Schnelle, F.**, Entstehung von Strahlungsschäden an Obstbäumen. Hess. Obstbau 6. 1951, 179—181.
- Schnelle, F.**, Kleinklimatische Geländeaufnahmen zur Feststellung der Frostlagen im Obstbau. Arch. wiss. Ges. Land- u. Forstwiss., Freiburg, Nr. 2. 1951, 25—27, 5 Kart.
- Schüle, F.**, Fördert die Erholung der hagelbeschädigten Obstbäume! Württ. Wochenbl. Landw. 118. 1951, 629, 1 Abb.

- Scurti, J.**, Sui deperimenti di alcuni frutteti della Valle d'Aosta per carenza di elementi necessari per il loro chimismo. Ist. Sperim. Chim. agr. Torino 17. 1949—1951, 413—428, 12 fig. — Ann. Sperim. Agr., Roma, n. ser. 5. 1951, 745—760, 12 fig.
- Seemann, J.**, Ein Beitrag zur allgemeinen Spätfrostgefahr in Nord-West-Deutschland, besonders für den Obstbau. Zeitfr. Baumschule 1951, F. 7.
- Sergeev, L. I.**, (Measures for the control of spring frosts in orchards.) Sad i Ogorod (Orchard and Garden) nr. 3. 1951, 79.
- Solov'ev, E. D.**, (Some observations on the overwintering of fruit trees.) [frost injuries and protection] Sad i Ogorod (Orchard and Garden) nr. 12. 1951, 62—63.
- Vasil'ev, I. M.**, (Method of autumn and winter white-washing of fruit trees and subtropical crops.) [protection against sunburn] Vest. Akad. Nauk USSR. 21. 1951, nr. 6, p. 71—75.
- Verona, O.**, Le malattie da carenza nelle piante fruttifere. Riv. Ortoflorofruttic. ital. 76. 1951, 105—115.
- Vyvan, M. C.**, Use of growth regulators to control the shedding of fruits. Int. Congr. Crop Prot. Proc. 2 (1949). 1951, 488—492.
- Witte, K.**, Untersuchungen zur Frage der Frostabwehr durch Beregnung. Wasser und Boden 3. 1951, 83—89.
- Woodbridge, C. G.**, and **McLarty, H. R.**, Manganese deficiency in peach and apple in British Columbia. Sci. Agric., Ottawa, 31. 1951, 435—438, 1 tab.
- Woudenberg, J. P. M.**, Nachtvorst en nachtvorstbestrijding in Kennemerland. Meded. Dir. Tuinbouw 14. 1951, 950—956.
- Color set 1004**, a new product for preharvest drop control. Down to Earth 7. 1951, nr. 1, p. 2—4.
- Radikaler Rückschnitt rettet Obstbäume.** [Kälte] Dtsch. Garten 62. 1951, Nr. 17, S. 1—2.
- Sulla carenza nutrizionale degli alberi da frutto.** Coltiv., Giorn. vinic. ital. 97. 1951, 103—104.
- Water for irrigation use.** Chem., engin. News 29. 1951, 990—993.
- e. Pflanzliche Feinde**
Vegetal parasites — Parasites végétaux
- Bitancourt, A. A.**, and **Jenkins, A. E.**, Notes on spot anthracnoses and related subjects. III. Thirty neotropical Elsinoaceae recently described. Plant Dis. Repr. 35. 1951, 461—463.
- Blauw, P.**, (Control of scab 1951.) [on fruits] Nederl. Fruittellers Org. Berbl. 7. 1951, nr. 4, p. 1—2.
- Blumer, S.**, Pflanzenschutznachrichten. Schweiz. Ztschr. Obst-, Weinbau 60. 1951, 280—282, 2 Abb.
- Brunner, H.**, Der Obstabsatz wird durch die Schorfbekämpfung verbessert. Grüne 79. 1951, 450—454.
- Byrd, R. J. W.**, and **Fielding, A. H.**, Tests of eradicant fungicides against brown rot. I. [Sclerotinia fructigena] Ann. Rept. agric. hortic. Res. Stat., Long Ashton (Bristol), 1951, 131—133.
- Chamberlain, G. C.**, Control of anthracnose (Elsinoë veneta) of red raspberries and downy mildew (Plasmopara viticola) of grapes in Ontario. Proc. canad. phytopath. Soc. nr. 18. 1951, 10 (Abstr.).
- Curtis jr., O. F.**, Maleic hydrazide for grass control in fruit plantings. Northeast. Weed Control Conf. Proc. 5 (sup.). 1951, 115—117.
- De Viguerie, P.**, La lutte contre la tavelure. Tarn-et-Garonne Agric. 14. 1951, 88—89.
- Ellenwood, C. W.**, New sprays rout poison ivy from orchards. Ohio Farmer 208. 1951, nr. 2, p. 16—17.
- Fischer, H.**, Die Monilia-Krankheit an Obstbäumen. Schweiz. Ztschr. Obst-, Weinbau 60. 1951, 296—298, 5 Abb.
- Flipse, L. P.**, Op welke wijze kan de fruitteler van de schurftberichtendienst profiteren? (How can the fruit grower profit from the Scab Information Service?) Fruittelt 41. 1951, 210—211.
- Goidànich, G.**, Le Sclerotinie dei fruttiferi. Inform. Fitopat., Bologna, Pubbl. quindic., Gr. II, nr. 16. 1951, 1—7, 4 fig.
- Gorlenko, M. V.**, and **D'iakova, G. A.**, (Bacterial diseases of fruit trees in USSR.) Mikrobiologija (russ.) 20. 1951, 534—540.
- Hamilton, J. M.**, Spray concentrates compared with standard concentrations for the control of apple scab and cherry leaf spot in 1950. New York State hortic. Soc. Proc. 96. 1951, 158—165.
- Henrikson, K.**, (Grey monilia (Monilia laxa).) Sver. Pomol. För. Fruktodlaren 1951, 84—85.
- Hildebrand, E. M.**, Bacterial diseases and their controls. South. Florist Nurseryman 64. 1951, nr. 4, p. 98—100.
- Hillenbrand, E. F.**, **Sutherland, W. W.**, and **Hogsett, J. N.**, Determination of residual glyoxalidine fungicides on apples and cherries. Analyt. Chemistry 23. 1951, 626—629.
- Hinselmann, M.**, Die Beobachtung des Sporenfluges als Grundlage einer erfolgreichen Fusicladiumbekämpfung im Jahre 1950. Mitt. Mitgl. Obstbauvers. ring Altes Land usw. 6. 1951, 43—45, 1 Abb.
- Hockey, J. F.**, Orchard fungicides in Nova Scotia. Martime Agric. 1. 1951, nr. 1, p. 74—87.
- Jones, T. H.**, Chemical weed control in fruit plantings. Tennessee State hortic. Soc. Proc. 46. 1951, 19—24.
- Katsura, K.**, (On the dry rot of pomegranate fruit.) [Zythia versioniana] Jap. J. Plant Prot. 24. 1951, 33—37.

- Keller, Nochmals »Obstbaumkrebs«. Neue Mitt. Landw., Hannover, 6. 1951, 88.
- Kharkina, G. A., (Bacterial burn of fruit trees.) Sad i Ogorod (Orchard and Garden) nr. 6. 1951, 36—38.
- Kirby, A. H. M., and Frick, E. L., The fungistatic activity of certain organophosphorus insecticides. East Malling Res. Stat. Ann. Rept. 38 (1950). 1951, 172—176, 2 fig.
- Klett, Gute Obstpreise durch Schorfspritzungen. (Mitteilung des Pflanzenschutzamtes.) Württ. Wochenbl. Landw. 118. 1951, 261.
- Kotte, W., Unser Wissen von der Moniliakrankheit der Obstbäume. Gesunde Pflanzen 3. 1951, 165—170, 3 Abb.
- Lammert, A., Die Bekämpfung des Obstschorfes. Obstbau 70. 1951, 58.
- Lavezzini, A., (Fruit scab in the province of Parma.) [Venturia pirina in pears and Venturia inaequalis in apples] Avvenire Agric. 59. 1951, 15—16.
- Loewel, E. L., Der augenblickliche Stand der Mittelfrage in der Fusikladiumbekämpfung. Mitt. Biol. Zentralanst. Berlin-Dahlem H. 70. 1951, 40—42.
- Luchetti, G., and Maccanti, M., (Reply to »Observations on control of scab«.) Agr. Ferrarese 55. 1951, 62—66.
- Maag, R., Schöne Obstgärten 1950 mit schorffreien Ernten, nach Spritzplan A, B oder C bespritzt. Pfl.schutz u. Schäd.bekpf. i. Obst-, Wein-, Garten- u. Feldbau, Dielsdorf, Mitt. No. 84. 1951, 4 S., 28 Abb. u. Spritzplan.
- Markus, A., (Alarm: scab (*Cladosporium cucumerinum*)). Groenten en Fruit 7. 1951, 343—344.
- Mills, W. D., Fungicides for tree fruit in 1951. New York State hortic. Soc. Proc. 96. 1951, 184—186.
- Nylund, R. E., Control of weeds in vegetable crops, potatoes, sugar-beets, small fruits and ornamentals: Small fruits and ornamentals. North Centr. Weed Control Conf. Res. Rept. 7 (1950). 1951?, 126—132.
- Palmiter, D. H., A blossom end rot outbreak in Hudson Valley orchards. Farm Res. (New York State Stat.) 17. 1951, nr. 4, p. 15.
- Palmiter, D. H., Fungicides and concentrate sprayers. New York State hortic. Soc. Proc. 96. 1951, 95—97.
- Peterson, P. D., Sulphur fungicides, their use on apple and peach. Tennessee State hortic. Soc. Proc. 46. 1951, 54—59.
- Rath, Die Monilia, eine gefährliche Obstkrankheit. Illust. Flora 74. 1951, 17—20.
- Rodale, R., Outwit the rusts and the root rots; avoid disease-ridden fruits by choosing hardy, resistant varieties for the home orchard. Organic Garden 19. 1951, nr. 4, p. 22—23.
- Schenk, P. J., (Dangerous fungus.) [on fruit] Groenten en Fruit 7. 1951, 103.
- Schenk, P. J., (Monilia diseases of fruit trees.) Cult. en Handel 17. 1951, 98—100.
- Schmid jr., G., Die Schorfbekämpfung im Staate New York. [Nebelblaser und Motorspritze mit Gun] Schweiz. Ztschr. Obst-, Weinbau 60. 1951, 39—43, 3 Abb.
- Schwartz, C. D., Winter weed control in bush fruits, grapes, shrubs and trees. Washington agric. Exp. Stat. Circ. 181. 1951, 5 p.
- Smith, H. C., Verticillium wilt of apricot, gooseberry, strawberry, and tomato. New Zealand J. Agric. 83. 1951, 129—130.
- Spit, J. M., en De Jonge, C., De bestrijding van schurft. Meded. Dir. Tuinbouw 14. 1951, 151—156.
- Sprague, R., Mildew spray trials at the tree fruit station in 1951. Washington State hortic. Assoc. Proc. 47. 1951, 144—149.
- Sprague, R., Results of recent powdery mildew spray trials. West. Fruit Grower 5. 1951, nr. 3, p. 25—27.
- Steenland, A. P., Scab control. West. Fruit Grower 5. 1951, nr. 3, p. 20.
- Stellwaag, F., Kann man die Fruchtmonilia mit chemischen Mitteln bekämpfen? Obstbau 70. 1951, 117—119, 6 Abb.
- Stellwaag, F., Über den Schorfwarndienst. Obstbau 70. 1951, 81—84, 3 Abb.
- Tveito, S., (Grey monilia.) Landbrukstidende 57. 1951, 368.
- Vidal Mora, J. M., La abolladura o arrugado de las hojas de los frutales, una enfermedad muy extendida en Menorca. Balearic Isl. Diputación Prov. B. Agr. 80. 1951, 1—2.
- Vriend, S., (The missing link in the fight against fruit scab (*Cladosporium cucumerinum*)). Groenten en Fruit 6. 1951, 652—653.
- Vullings, W., (The honey fungus (*Armillaria mellea* (Vahl) Quél.)) Fruitteelt 41. 1951, 742—743.
- Walter, J. M., Nabam in tank-mixed fungicide. [synergistic action] Florida Grower 59. 1951, nr. 9, p. 22.
- Walton, G. H., Weedicide application. Queensland Fruit, Veg. News 1. 1951, nr. 29, p. 13—14.
- Watts, T. J., Silver leaf disease. [on fruit trees] New Zealand J. Agric. 82. 1951, 341—342.
- Wenzl, H., Fragen der Schorfbekämpfung. Pflanzenarzt, Wien, 4. 1951, Sdr.-Nr. 1, S. 4—6.
- Wenzl, H., Versuche zur Winterbekämpfung der Moniliakrankheit. Pflanzenschutzberichte, Wien, 6. 1951, 178—189.
- Zäch, C., Kundert, J., und Bieri, F., Schorfbekämpfungsversuche mit Nebelblaser im Jahre 1950. Schweiz. Ztschr. Obst-, Weinbau 60. 1951, 59—67, 1 Abb.
- Anthracnose (*Gloeosporium*) or ripe rot of fruits. New South Wales Dept. Agric. Plant Dis. Leaf. 3. 1951, 3 p.

d. Tierische Feinde

Animal parasites — Parasites animaux

Allgemeiner Teil

General part — Partie général

- Bachmann, F., und Vogel, W.,** Pflanzenschutznachrichten. [Stand der Schädlingseentwicklung bis Ende Juni] Schweiz. Ztschr. Obst-, Weinbau 60. 1951, 261—263, 1 Abb.
- Barth, E.,** Zwei gefährliche Schädlinge des Obstbaues [Rote Spinne, Blattläuse]. (Mitteilung des Pflanzenschutzamtes.) Württ. Wochenbl. Landw. 118. 1951, 464.
- Beaulieu, A. A., and Petch, C. E.,** Summary report of orchard insect studies in 1950. Pomol., Fruit Growing Soc. Prov. Quebec Ann. Rept. 57 (1950). 1951, 53—63.
- Brandt, H.,** Tierische Nützlinge im Obst- und Gemüsegarten. [Insekten] Fruchtbare Erde 8. 1951, 32 S.
- Breakey, E. P., and Webster, R. L.,** Insect pests of small fruits. Washington, State Coll. Ext. Bull. 450. 1951, 36 p.
- Carey, C. J.,** Legal aspects of pest control. West. Grower, Shipper 22. 1951, nr. 3, p. 13, 36.
- Collyer, E.,** A method for the estimation of insect populations on fruit trees. East Malling Res. Stat. Ann. Rept. 38 (1950): 1951, 148—151.
- Cortés P., R.,** Plagas entomologicas de la fruticultura en Chile. Mexico Ofic. Estud. Espec. Fol. Misc. 4. 1951, 169—178.
- Cutright, C. R.,** Comstock mealybug in Ohio. J. econ. Ent. 44. 1951, 123—124.
- Dürr, H. J. R.,** A fruit pest, which is apparently new. Deciduous Fruit-Grower 2. 1951, 17—18.
- Ferraguti, A.,** (Other parasites of the fruit tree.) [insects] Agric. Ferrarese (ital.) 55. 1951, 200—201.
- Fjelddalen, J.,** (Bigger pests in the orchard.) [wildlife as pests] Norsk Hagtid. 67. 1951, 3—5.
- Fukuda, J.,** Yobo kujyo kajyu gaichu. (Prevention and extermination of injurious insects of fruit trees.) Asakura Shoten, Tokyo 1951. 357 p.
- Gerritsen, C.,** (For the amateur fruit grower. Oh, the worm holes. I—II.) Fruitteelt 41. 1951, 331, 419.
- Grandori, R.,** (Tests in controlling insects injurious to fruit.) Boll. Zool. Agr., Bachicoltura. 17. 1951, 23—28.
- Hamilton, D. W.,** Research problems confronting the entomologist working on insects and mites infesting orchards in the Middle West. Indiana hortic. Soc. Trans. 89 (1949). 1951, 58—61.
- Hamilton, D. W., Summerland, S. A., McAlister, H. J., and Fahey, J. E.,** Summary of recent developments in the control of insects and mites attacking apples and peaches. Illinois State hortic. Soc. Trans. 84 (1950). 1951, 99—102.

- Hilliar, R.,** Plaga de los frutales. Charla Rur. 150. 1951, 18—19.
- Johanson, F. D.,** Review of pest control in orchards with forecast of future methods. Rev. Annapolis Valley Post Road (Canada) 6. 1951, nr. 8, p. 4—6.
- Kloft, W.,** Über die Einwirkungen einiger bienenwirtschaftlich wichtiger Rindenläuse auf das Pflanzenwachstum. Ztschr. Bienenforsch. 1. 1951, 56—62.
- Kochman, J.,** Ochrona sadów. (Fruit pests.) Państwowe Wydawnictwo Rolnicze, Lesne, Warszawa 1951, 74 p.
- Laplane, A. A.,** Fruit insects in New York in 1950. New York State hortic. Soc. Proc. 96. 1951, 276—286.
- Massee, A. M.,** Entomology. East Malling Res. Stat. Ann. Rept. 38 (1950). 1951, 42—43.
- Massee, A. M.,** Notes on some interesting insects observed in 1950. [fruit pests] East Malling Res. Stat. Ann. Rept. 38 (1950). 1951, 141—147.
- Owens, H. W.,** Progress in pest control. Fruit, Veg. Rev. 13. 1951, nr. 3, p. 14—15, 26.
- Portman, R. W.,** Orchard insect activity during 1950. Idaho State hortic. Soc. Trans. 1951, 11—12.
- Reich, H.,** Wenig bekannte Schädlinge im Alten Lande: Apfelblattmotte, verschiedene Wickler und Rosenzikade. Mitt. Mitgl. Obstbauvers. ring Altes Land usw. 6. 1951, 127—130, 4 Abb.

Nematodes

- Allen, M. W., and Jensen, H. J.,** Pratylenchus vulnus, new species (Nematoda: Pratylenchinae), a parasite of trees and vines in California. Proc. helminth. Soc. Washington 18. 1951, 47—50.
- Day, L. H., and Serr, E. F.,** Comparative resistance of rootstocks of fruit and nut trees to attack by a root-lesion or meadow nematode. Proc. amer. Soc. hortic. Sci. 57. 1951, 150—154.

Homoptera

- Bernard, J.,** Comment combattre les pucerons des arbres fruitiers. Bas-Rhin Agric. 6. 1951, 230, 278.
- Haggard, A.,** Would you care to go back to soft soap and whitewash? [aphid control on fruit] Grower, London, 36. 1951, 1192—1193.
- Nonveiller, G.,** (Ceresa bubalus F., un insect nuisible aux arbres fruitiers peu connu en Yougoslavie.) Saschita Bilja (Plant Prot.), Beograd, nr. 5. 1951, 67—72, 1 fig.
- Refatti, E.,** Esperienze di lotta invernale contro la Cocciniglia violacea degli alberi da frutto (Parlatoria oleae Colvée). Not. Mal. Piante nr. 17. 1951, 1—6.
- Schaposchnikow, G. Ch.,** (Blattläuse (Aphidoidea) der Obstbäume der Südkrim.) (Arb. allruss. ent. Ges.), Moskau-Leningrad, 43. 1951, 7—36, 6 Abb.

- Sokolenco, N. I.**, (Green cicada and measures for its control.) [DDT and benzene hexachloride for *Cicadella viridis* L.] Sad i Ogorod (Orchard and Garden) nr. 5. 1951, 74.
- Solaroli, V.**, and **Bongiovanni, G. C.**, (Experiments in winter control of *Diaspis pentagona*.) Riv. Fruttic. 13. 1951, 27—37.
- Les pucerons des arbres fruitiers.** Rev. rom. Agric., Vitic., Arboric. 7. 1951, 31—32.
- Aspidiotus perniciosus***
- Bellavite, F.**, (The San-José-scale (*Aspidiotus perniciosus* Comst.)) Inform. Agr. (ital.) 7. 1951, nr. 20, p. 4—5.
- Beran, F.**, Controle du pou de San José en Autriche. [Ref.] Phytoma, Paris, 4. 1951, nr. 27—28, p. 35.
- Böhm, H.**, Dinitro-sec. Butylphenol — ein neues Winterspritzmittel zur Bekämpfung der San-José-Schildlaus (*Quadraspidotus perniciosus* Comst.). Pflanzenschutzberichte, Wien, 7. 1951, 11—15.
- Böhm, H.**, Untersuchungen über die San-José-Schildlaus (*Quadraspidotus* [*Aspidiotus*] *perniciosus* Comst.). Pflanzenschutzberichte, Wien, 6. 1951, 65—76.
- Bollow, H.**, Die Punkt- und Streuinfektionen mit der San-José-Schildlaus (*Quadraspidotus perniciosus* Comst.) und ihre Gefahren. Pflanzenschutz, München, 3. 1951, 65—66, 1 Abb.
- Bollow, H.**, Nochmals die Punkt- und Streuinfektionen mit der San-José-Schildlaus (*Quadraspidotus perniciosus* Comst.) und ihre Gefahren. Pflanzenschutz, München, 3. 1951, 142—143, 1 Abb.
- Frickhinger, H. W.**, Die Schildlaus-Gefahr. Dtsch. landw. Presse 74. 1951, 178—179, 3 Abb.
- Friedrich, G.**, Über die durch den Wind bedingte ungleiche Verteilung von Schildläusen und Winteriern der Insekten an den Zweigen der Obstbäume. Anz. Schäd.lkunde 24. 1951, 33—34, 2 Abb.
- Grandori, R.**, (Man and the insects.) [*Aspidiotus perniciosus*, *Carpocapsa pomonella*] Boll. Agric. 85. 1951, nr. 10, p. 1.
- Holz, W.**, Bekämpfung der San-José-Schildlaus (*Aspidiotus perniciosus*) — für Entrümpelung sorgen. Landw.bl. Weser-Ems 98. 1951, 1031—1032.
- Huba, A.**, Päduclele din San José (*Aspidiotus perniciosus* Comst.) in Republica Cehoslovacă. Congr. int. Fitopat., Ent., Prot. Plant., Bucuresti (2. 5. 7. —4. 8. 1949), 2. 1951, 170—173.
- Klett, W.**, Die San-José-Pest. (Mitteilung des Pflanzenschutzamtes.) Württ. Wochenbl. Landw. 118. 1951, 685.
- Klett, W.**, San-José-Schildlaus. (Mitteilung des Pflanzenschutzamtes Stuttgart.) Württ. Wochenbl. Landw. 118. 1951, 848—849.
- Krause, G.**, Parasiten der San-José-Schildlaus und anderer Schildlausarten auf importiertem Obst. Pflanzenschutz, München, 3. 1951, 83—85, 3 Abb.
- Krause, G.**, Versuche über die aktive Ausbreitung der San-José-Schildlaus (*Quadraspidotus perniciosus* [Comst.]). Ztschr. Pfl.bau u.-schutz 2. 1951, 271—283, 3 Abb.
- Lavezzini, A.**, (Keep an eye on the San-José-scale (*Aspidiotus perniciosus*)). Avvenire Agr. 59. 1951, 69—70.
- Lüdcke, M.**, Über die Wirkung von Mineralölen auf *Quadraspidotus perniciosus* (Comst.). Ztschr. Pfl.krankh. 58. 1951, 259—268, 2 Abb.
- Mallach, N.**, Die Schildlausbekämpfung in Italien mit besonderer Berücksichtigung der San-José-Schildlaus und Hinweisen auf die allgemeine Winterbehandlung der Obstbäume. Pflanzenschutz, München, 3. 1951, 86—87, 2 Abb.
- Mallach, N.**, Der Stand der San-José-Schildlausbekämpfung in Bayern. Pflanzenschutz, München, 3. 1951, 112—113.
- Masten, V.**, (The problem of the control of the San-José-scale in Yugoslavia.) Plant Prot., Beograd, nr. 8. 1951, 76—92.
- Mathys, G.**, et **Geier, P.**, Élaboration d'une méthode de fumigation cyanhydrique (HCN) permettant le traitement sous bâches de végétaux fruitiers en production attaqués par le Pou de San-José (*Quadraspidotus perniciosus* Comst.). Landw. Jahrb. Schweiz 65. 1951, 938—947, 3 Abb.
- Melis, A.**, Precisazioni morfo-biologiche sull'*Aspidiotus perniciosus* Comst. »Redia«, Giorn. Ent., Firenze, 36 (2. ser.). 1951, 1—91, 12 fig., 8 tab.
- Mitić, N.**, (The extension of the San-José-scale in Yugoslavia.) Plant Prot., Beograd, nr. 8. 1951, 72—75.
- O'Neill, W. J.**, DDT and parathion for San-José-scale control. J. econ. Ent. 44. 1951, 709—711.
- Pegazzano, F.**, Contributo alla conoscenza del reale pericolo rappresentato dal carattere polifago dell'*Aspidiotus perniciosus* Comst. »Redia«, Giorn. Ent., Firenze, 36 (2. ser.). 1951, 251—265.
- Philipp, W.**, Baumkauf ist Vertrauenssache — ein Wort zur SJS-Gefahr! Bad. landw. Wochenbl. 118. 1951, 633, 2 Abb.
- Rui, D.**, (Maximum directions for the winter spraying of Venetian fruit trees.) Inform. Agric. 7. 1951, 5—6.
- Schaefferberg, B.**, Abflammversuch gegen die San-José-Schildlaus. Ztschr. Pfl.krankh. 58. 1951, 410—412.
- Scheer, E.**, Pest des Obstbaues: San-José-Schildlaus. Landw. Wochenbl. Kurh. u. Waldeck 166. 1951, 1009—1010.

Solaroli, V., and Bongiovanni, G. C., (Tests of winter control of *Aspidiotus perniciosus* Comst. (third note).) [insecticides] Agr. Ferrarese 55. 1951, 73—80.

Thiem, H., Die San-José-Schildlausgefahr und ihre Überwindung im Rahmen obstbaulicher Pflanzenschutzmaßnahmen. Westdtsch. Verlag, Köln u. Op-laden 1951. 88 S., 32 Abb.

Tögel, V., Die San-José-Schildlaus (*Aspidiotus perniciosus*). Obst u. Garten 6. 1951, 91.

Die San-José-Schildlaus. S.-H. Gesunde Pflanzen 1951. 24 S., 14 Abb. (Verlag Kommentator, GmbH., Frankfurt a. M.).

Coleoptera

Behr, L., *Epicometis* (Tropinota) hirta Poda (Col. Scarab.) an Obst in Mitteldeutschland. Nachr.bl. dtsh. Pfl.schutzd., Berlin, NF. 5. 1951, 133—134, 1 Abb.

Berthault, P., La biologie du capnode (*Capnodis tenebrionis*) et la lutte contre cet insecte. Rev. Agric. Afr. Nord 49. 1951, 2—4.

Feron, M., Quelques résultats dans la lutte contre le capnode. Phytoma, Paris, 4. 1951, nr. 25, p. 18—22, 5 fig.

Frediani, D., Danni del *Rhynchites bacchus* a susine e mele. Inform. Fitopat., Bologna, nr. 7. 1951, 4—6, 3 fig.

Giemser, W., Engerlingschäden wie noch nie. Obstbau 70. 1951, 123, 6 Abb.

Gröhler, K., Beobachtungen am Gartenlaubkäfer. [Phyllopertha horticola] Gesunde Pflanzen 3. 1951, 200—201.

Guennelon-Aubanel, G., et Grison, P., Phénomènes de tolérance et de résistance à l'arséniate diplombique chez *Rhynchites coerulesus* de Geer (Col. Curculionides). Compt. rend. Acad. Sci., Paris, 232. 1951, 755—756.

Guessous, A., Note sur la ponte du capnode noir des arbres fruitiers (*Capnodis tenebrionis*). Terre marocaine 25. 1951, 333—335.

Khatipov, Sh. E., (Control of cockchafer (*Melolontha*) larvae (in fruit nurseries).) Sad i Ogorod (Orchard and Garden) nr. 9. 1951, p. 77—78.

Koch, W., Borkenkäfer an Obstbäumen. Obstbau 70. 1951, 42—43, 3 Abb.

Krupka, J., (Cerambyx scopoli Füssl. et sa larve comme destructeurs des arbres fruitiers (Col., Ceramb.).) Časopis, českosl. společn. Ent., Praha, 48. 1951, 37—43.

Martin, H., Contribution à l'étude du capnode noir des arbres fruitiers (*Capnodis tenebrionis* L.) dans la région d'Alger. Rev. Path. vég. Ent. agric. France 30. 1951, 97—113, 4 fig., 1 tab.

Perret, J. E., Sur l'origine du capnode noir (*Capnodis tenebrionis*) au Maroc. Fruits et Primeurs. Afr. Nord 21. 1951, 323—324.

Reichart, G., Adatok a bronzbogár (*Perotis lugubris* F.) szaporodási viszonyaihoz. (Daten der Vermehrung des Obstbaumprachtkäfers (*Perotis lugubris* F., Buprestidae Col.)) Mezőgazdasági kísérletügyi központ évkönyvéből 3. 1951, 87—97.

Rosella, E., Lorsque les fleurs d'arbres fruitiers sont dévorées par des cetoines velues (*Cetonia* sp.) il faut traiter en pleine floraison. Progr. agric. vitic., Montpellier, 1951, 202—204.

Schwester, D., Le xylébore disparate (*Xyleborus dispar*) et les »Bostryches« des arbres fruitiers. Compt. rend. Congr. Pomol. Lorraine 4. 1951, 95—103.

Venet, M., Recherches biologiques et thérapeutiques sur la capnode noir des rosacées (*Capnodis tenebrionis* L.) à Sefrou en 1949. Morocco Serv. Déf. Vég. Trav. Orig. 2. 1951, 28 p.

Lepidoptera

Alfaro, A., El »arrollador« en el arbolado frutal. [Archips spp.] Agricultura, Madrid, 20. 1951, 550—554.

Barth, E., Verhütet Frostspannerschäden. (Mitteilung des Pflanzenschutzamtes.) Württ. Wochenbl. Landw. 118. 1951, 804.

Bender, E., Über die Obstbaum-Miniermotte. Bad. Obst- u. Gartenbauer 4. 1951, 108—109.

Berry, R. C., Ryania, a new insecticide for fruitworm (*Mineola vaccinii*) control. Cranberries 15. 1951, nr. 10, p. 12—14.

Böhm, H., Ein neuer Obstbaumschädling: Der Weiße Bärenspinner. Pflanzenarzt, Wien, 4. 1951, Nr. 11, S. 1—2, 5 Abb.

Böhm, H., Roter und Grauer Knospenwickler. Bundesanst. Pfl.schutz, Wien, Flugbl. Nr. 74. 1951, 1 S.

Bollow, H., Die Gespinstmotten (*Hyponomeuta*), ihr Vorkommen, ihre Lebensweise und ihre Bekämpfung. Pflanzenschutz, München, 3. 1951, 88—89, 3 Abb.

Bollow, H., Starkes Auftreten des Ringelspinners (*Malacosoma neustria* L.) in Bayern. Pflanzenschutz, München, 3. 1951, 91—92, 4 Abb.

De Jong, D. J., Bladrollers (*Tortricidae*) op vruchtbomen. Meded. Dir. Tuinbouw 14. 1951, 131—150.

Groves, J. R., *Adoxophyes orana* F. R. (Lep., Tortricidae), a moth new to Britain. Ent. mon. Mag., London, 87. 1951, 259.

Holz, W., Beobachtungen über den Flug von Frühjahrsfrostspannern in Obstanlagen. Anz. Schädl.-kunde 24. 1951, 165—167, 3 Abb.

King, H., Latest information on controlling redbanded leaf roller (*Argyrotaenia velutinana*). Michigan State hortic. Soc. Ann. Rept. 80 (1950). 1951, 47—49.

- Klement, Z.**, Kiserletek baktériumok felhasználására az amerikai fehér szövőlepké elleni biológiai védekezésben. (Expériences relatives à l'utilisation des bactéries dans la lutte biologique contre la Nonne américaine (*Hyphantria cunea* Drury). Mezőgazdasági kísérletiügyi központ évkönyvéből 3. 1951, 118—127.
- Monceau, G.**, Cossus et zeuzères. [caterpillars of Cossus sp. and Zeuzera sp. attacking fruit trees] Rév. Agric. 60. 1951, 54—55.
- Postai, M.**, Un mode d'hivernage inattendu de la tordeuse orientale (*Grapholitha molesta*) et du carpocapse (*Carpocapsa pomonella*). Tarn-et-Garonne Agric. 14. 1951, 89—90.
- Ritschl, A.**, Können Klebgürtel gegen den Frostspanner durch DDT- und Hexamittel ersetzt werden? Gesunde Pflanzen 3. 1951, 177.
- Schmidt, G.**, Die Frostspanner und ihre Bekämpfung. Schädlingsbekämpfung 43. 1951, 46.
- Sussman, A. S.**, Studies of an insect mycosis. I. Etiology of the disease. [*Aspergillus flavus* Link on *Platysamia cecropia* L.] Mycologia, Lancaster, 43. 1951, 338—350, 3 fig.
- Tirelli, M.**, (Woodborers of fruit trees in the Giugliano area.) [Zeuzera, Cossus] Frutticolt. Campana 1. 1951, nr. 22, p. 1—2.
- Trinchieri, G.**, (*Hyphantria cunea*: an enemy advancing.) Coltiv., Giorn. Vinic. Ital. 97. 1951, 187—188.
- Underhill, G. W.**, and **Sibold, N. V.**, Insecticide tests for red-banded leaf roller (*Argyrotaenia velutinana*). Virginia Fruit 39. 1951, 19—21.
- Wagn, O.**, (New pest (*Agrotis pronuba*) in the orchard.) Erhvervsfrugtavlere (dan.) 18. 1951, 25—27.
- Wasser, H. B.**, and **Steinhaus, E. A.**, Isolation of a virus causing granulosis in the red-banded leaf roller (*Argyrotaenia velutinana*). Virginia J. Sci. 2 (n.ser.). 1951, 91—93.
- Die Obstbaum-Miniermotte.** [*Lyonetia clerkella* L.] Pflanzenarzt, Wien, 4. 1951, Nr. 9, S. 7, 1 Abb.
- ### Diptera
- Armitage, H. M.**, Susceptibility of California fruits and vegetables to attack by the oriental fruit fly (*Dacus dorsalis*). Calif. Dept. Agric. Bull. 40. 1951, 12—20.
- Balock, J. W.**, Ethylene dibromide for destroying fruit fly infestations in fruits and vegetables. [Ceratitis capitata, *Dacus cucurbitae*, *Dacus dorsalis*] Science 114. 1951, 122.
- Christensen, L. D.**, Fruit fly (*Dacus dorsalis*) larvae; new fumigation treatment. Queensland Fruit Veg. News 1. 1951, nr. 49, p. 15—16.
- Fullaway, D. T.**, Review of the Indo-Australasian parasites of the fruit flies (Tephritidae). [Opus spp.] Hawaii. ent. Soc. Proc. 14 (1950). 1951, 243—250.
- Hardy, D. E.**, The Krauss collection of Australian fruit flies (Tephritidae — Diptera). Pacific Sci. 5. 1951, 115—196.
- Jessen, L. S.**, and **Bess, H. A.**, Oriental fruit fly control (*Dacus dorsalis*). West. Fruit Grower 5. 1951, nr. 8, p. 27—28.
- Marucci, P. E.**, **Van den Bosch, R.**, **Chong, M.**, and **Clancy, E. W.**, Notes on parasites of fruit flies. Proc. hawaiian ent. Soc. 14. 1951, 371—375.
- Myburgh, A. C.**, and **Stubbings, W. A. K.**, Control of fruit-flies (Tephritidae). Farming South Afr. 26. 1951, nr. 298, p. 7—8, 13.
- Stultz, H. T.**, The influence of parathion and DDT on bud moth. Nova Scotia Fruit Grower's Assoc. 87th Ann. Rept. (1950). 1951, 121—126.
- Tirelli, M.**, (New control methods for fruit and cherry flies.) [Ceratitis capitata, *Rhagoletis cerasi*] Terra e Sole (ital.) 105. 1951, 180.
- Van den Bosch, R.**, and **Haramoto, F. H.**, Opilus oophilus Fullaway, an egg-larval parasite of the oriental fruit fly (*Dacus dorsalis*) discovered in Hawaii. Hawaii. ent. Soc. Proc. 14. 1951, 251—255.
- Watkins, S. B.**, No truce in war against fruit flies (Tephritidae). Queensland Prod. 33. 1951, nr. 2, p. 20.
- Cherry fruit fly (*Rhagoletis cingulata*) and Pandemis control in eastern Washington.** Washington State Coll. Ext. Circ. 149 (rev.). 1951, 4 p.
- ### Hymenoptera
- Catalina, L.**, Lucha contra las hormigas. Cult. Mod. 34. 1951, 165—166.
- Chaboussou, F.**, Modalités des traitements contre les hoplocampes. Congr. Pomol. France Sess. 82. 1951, 115—124.
- Guillemain, R.**, et **Alibert, H.**, Les fourmis (*Tapinoma* sp.) nuisibles aux vergers d'Afrique du Nord. Fruits et Primeurs Afr. Nord 21. 1951, nr. 221, p. 12—14.
- Jancke, O.**, Honigbienen als Fruchtschädiger. Nachr. bl. dtsh. Pf.schutzd., Braunschweig, 3. 1951, 56—57, 3 Abb.
- Jancke, O.**, Honigbienen als Obstschädlinge. Südwest-dtsh. Imker 3. 1951, 36.
- Meyer, F.**, (Lecture on sawflies (Symphyta).) [fruit pests] Cult. en Handel (flem.) 17. 1951, 394.
- Spitzner, W.**, Schädigen Bienen die Obsternte? Dtsch. Bienenztg. 6. 1951, 155—156.
- Thiem, H.**, Abwehr der Fruchtschäden von Sägewespen bei Pflaume, Apfel und Birne. Flugbl. Biol. Bundesanst., Braunschweig, K 8. 1951, 8 S., 10 Abb.
- Red-headed pine sawfly (*Neodiprion lecontei*) damaging trees.** Farm and Garden, Watertown, Aug. 1951, 8.

Acari

- Bachmann, F.**, Über die Wirkung organischer Schorf-
bekämpfungsmittel gegen Spinnmilben. Schweiz.
Ztschr. Obst-, Weinbau 60. 1951, 448—449.
- Beament, J. W. L.**, The structure and formation of the
egg of the fruit tree red spider mite, *Metatetranychus ulmi* Koch. Ann. appl. Biol. 38. 1951,
1—24, 8 fig.
- Böhm, H.**, Spinnmilben an unseren Obstbäumen!
Pflanzenarzt, Wien, 4. 1951, Nr. 8, S. 4.
- Boyce, H. R.**, and **Le Roux, E. J.**, A note on dipterous
predators of the European red mite, *Metatetranychus ulmi* (Koch). Canad. Ent. 83. 1951, 332.
- Cesaroni, F.**, (Chemistry against the red spider (Tetra-
nyehus.) Seme (ital.) 3. 1951, 246—247.
- Chapman, P. J.**, and **Lienk, S. E.**, Notes on orchard
mites. New York State hortic. Soc. Proc. 96. 1951,
152—157.
- Cutright, C. R.**, Late season control of European red
mite. J. econ. Ent. 44. 1951, 363—367, 8 fig.
- Dean, R. W.**, Control of orchard mites (*Paratetranychus pilosus*) with a concentrate spray. New York
State hortic. Soc. Proc. 96. 1951, 89—95.
- Gasser, R.**, Zur Kenntnis der gemeinen Spinnmilbe
Tetranychus urticae Koch. 1. Mitteilung: Morpho-
logie, Anatomie, Biologie und Ökologie. Mitt.
schweiz. ent. Ges. 24. 1951, 217—262, 10 Abb.
- Geier, P.**, La lutte contre les acariens phytophages
en arboriculture fruitière. Landw. Jahrb. Schweiz
65. 1951, 911—930, 12 Abb.
- Geier, P.**, Vers une lutte rationnelle contre les acariens
des arbres fruitiers. Rev. rom. Agric., Vitic., Arbo-
ric. 7. 1951, 11—14, 3 fig.
- Gentner, L. G.**, Spider mite control. [*Tetranychus*
bimaculatus, *T. willamettei*, *Paratetranychus pilo-*
sus] West. Fruit Grower 5. 1951, nr. 3, p. 18—19.
- Grob, H.**, Beobachtungen über den Populationsverlauf
der Spinnmilben in der Westschweiz. Mitt. schweiz.
ent. Ges. 24. 1951, 263—278, 4 Abb.
- Groves, J. R.**, A synopsis of the world literature on
the fruit tree red spider mite *Metatetranychus ulmi*
(C. L. Koch, 1835) and its predators. With a brief
review of the problem by A. M. Massee. Commonw.
Inst. Ent., London 1951. 180 p.
- Hey, G. L.**, A new insecticide (para-chlorphenyl ben-
zene sulfonate) for red spider (*Paratetranychus*
pilosus) control. Grower, London, 36. 1951, 1073.
- Hueck, H. J.**, Influence of light upon the hatching
of winter-eggs of the fruit tree red spider (*Para-*
tetranychus pilosus). Nature, London, 167. 1951,
993—994.
- Kirby, A. H. M.**, and **McKinlay, K. S.**, Laboratory ex-
periments on the toxicity of potential acaricides.
East Malling Res. Stat. Ann. Rept. 38 (1950). 1951,
164—171.
- Lees, A. D.**, The physiology of diapause in the fruit
tree red spider mite. [*Metatetranychus ulmi*] 9. int.
Congr. Ent., Amsterdam, 4. 1951, 6—7.
- McLeod, W. S.**, Present status of orchard acaricides
in Canada. Canada Dept. Agric., Sci. Serv., Div.
Ent. Res., Note Ser. E-6. 1951.
- Marlé, G.**, Observations on the dispersal of the fruit
tree red spider mite, *Metatetranychus ulmi* (Koch).
East Malling Res. Stat. Ann. Rept. 38 (1950).
1951, 155—159, 2 fig.
- Milliman, L. H.**, Willamette mite (*Tetranychus willa-*
mettei) takes spotlight as public enemy no. 1 of
western deciduous fruit orchardists. Better Fruit
45. 1951, nr. 8, p. 9—10, 33.
- Morgan, C. V. G.**, and **Downing, R. S.**, Identification
and control of some orchard mites. Country Life,
Vernon, 35. 1951, nr. 5, p. 30.
- Newcomer, E. J.**, Orchard mites becoming resistant to
parathion. Washington State hortic. Assoc. Proc.
47. 1951, 67—69.
- O'Neill, W. J.**, and **Weeks, G. W.**, Thorough coverage
necessary to control Willamette mite (*Tetranychus*
willamettei). Better Fruit 45. 1951, nr. 8, p. 7.
- Parsons, H.**, Red spider. Gard. Chron. 130. 1951, 101.
- Parsons, H.**, Winter-spraying and red spider. Gard.
Chron. 130. 1951, 225.
- Pritchard, A. E.**, Control of orchid mites; false spider
mites and spider mites must be distinguished for
proper control purposes. Calif. Agric. 5. 1951,
nr. 9, p. 11.
- Roesler, R.**, Schädliches Auftreten von Spinnmilben
an Obstbäumen in der Pfalz (*Tetranychidae*, Acar.).
Anz. Schädli.kunde 24. 1951, 68.
- Stapley, J. H.**, Benzene hexachloride and red spider.
Grower, London, 36. 1951, 1025, 1027, 1029.
- Stearns, L. A.**, and **Davis, J. G.**, Curculio- and mite-
control studies in 1950. [*Conotracheus nenuphar*
on peaches, *Paratetranychus pilosus* on apples]
Delaware State Board Agric. Bull. 40. 1951, nr. 5,
p. 104—112.
- Wybou, A.**, De acari der fruitbomen. Compt. rend.
Rech. Inst. Encour. Rech. sci. Ind., Agric. (I.R.S.I.A.),
Bruxelles, nr. 5. 1951, 85—126, 14 fig.
- Les acariens des arbres fruitiers.** Rev. rom. Agric.,
Vitic., Arboric. 7. 1951, 15.
- Fruit tree red spider investigations.** Gard. Chron. 130.
1951, 42—43.
- Die Rote Spinne.** Obstbau 70. 1951, 153—154.

Vertebrata

Boeke, J. E., et al., Proefnemingen met kooldioxyde en methylbromide ter bestrijding van ratten en muizen in opslagplaatsen voor fruit. Meded. Dir. Tuinbouw 14. 1951, nr. 1, p. 28—50.

Brezina, R., Wie schütze ich Obstbäume vor Wildverbiß? Ill. Flora 74. 1951, 124—125.

Coker, E. G., A progress report on experiments with rabbit repellents. East Malling Res. Stat. Ann. Rept. 38 (1950). 1951, 87—89, 1 fig.

Conrad, W., Wühlmäuse gefährden unsere Obstbaumbestände. Mitt. dtsh. Landw.-Ges., Frankfurt/M., 66. 1951, 374.

Glemser, W., Wühlmaus- oder Engerlingsbekämpfung. Obstbau 70. 1951, 42.

Heringa, J. N., Het bestrijden van muizen in fruitopslagplaatsen met methylbromide. Fruitteelt 41. 1951, nr. 4, p. 53.

Horsfall jr., F., Estimation of orchard mouse populations by trapping. Assoc. south. agric. Workers Proc. 48. 1951, 117 (Abstr.).

Horsfall jr., F., Orchard mouse control. Cumberland-Shenandoah Fruit Workers' Conf. Proc. 27. 1951, 181—200.

Kalchschmid, Versuch zum Schutz der Obstbäume gegen Wildverbiß. Pflanzenschutz, München, 3. 1951, 143—144.

Merrill, H. A., Recent developments in orchard protection; orchard mouse control. Pennsylv. State hortic. Assoc. Proc. 92. 1951, 48, 50, 52, 54—56.

Pindur, W., Schutz gegen Hasenschäden. Bauer 4. 1951, nr. 39, p. 11—12.

Reich, H., Wo blieben die Stare während der Kirschernte in diesem Jahr? Mitt. Mitgl. Obstbauvers.ring Altes Land usw. 6. 1951, 168—169.

Schenk, P. J., (Hares and wild rabbits.) [injuries to fruit] Cult. en Handel 17. 1951, 31—32.

Viktor, T., Kampf den Nagern im Obstgarten. Garten-Ztschr., Wien, 74. 1951, 6.

Protection des jeunes plantations fruitières contre les dégâts du gibier. Rev. rom. Agric., Vitic., Arboric. 7. 1951, 97.

e. Virus

Cochran, L. C., The virus problem in nursery stock. Amer. Fruit Grower 71. 1951, nr. 10, p. 8—9, 19.

Lindner, R. C., Identification and control of fruit tree viruses. West. Fruit Grower 5. 1951, nr. 9, p. 8—9; nr. 10, p. 14—17.

Thiem, H., Über Virus- und virusverdächtige Erscheinungen im Obstbau. Mitt. Biol. Zentralanst. Berlin-Dahlem H. 70. 1951, 80.

f. Schädlingsbekämpfung
bei Obstbäumen

Fruit-trees protection

Lutte contre les parasites
des arbres fruitiers

Asquith, D., Concentrates cut costs. [concentrate spraying of fruit] Pennsylv. Farmer 144. 1951, 147, 175.

Asquith, D., Insect and mite control studies on peach and apple. Cumberland-Shenandoah Fruit Workers' Conf. Proc. 27. 1951, 89—95.

Asquith, D., and Lewis, F. H., Insecticides as concentrates in the control of fruit insects. Pennsylv. State hortic. Assoc. Proc. 92. 1951, 7—8, 10—11.

Asquith, D., and Lewis, F. H., Spraying with mist concentrates reduces costs for orchardists. [disease and insect control] Sci. Farmer (Pennsylv. Stat.) 1951, 7—8.

Becker, A., Die Kosten der Winterspritzung. Gesunde Pflanzen 3. 1951, 46—47.

Beckenkamp, G., (Winter control of fruit culture under glass.) [pest control] Fruitteelt 41. 1951, 21—23.

Beran, F., Spritzkalender für Vor- und Nachblüterspritzungen. Pflanzenarzt, Wien, 4. 1951, Sdr.-Nr. 1, S. 2—4, 4 Abb.

Beran, F., Winterspritzung vorbereiten! Pflanzenarzt, Wien, 4. 1951, Nr. 10, S. 2—3, 1 Abb.

Beran, F., Böhm, H., und Wenzl, H., Kurze Anleitung zur Schädlingsbekämpfung im Obstbau. Bundesanst. Pfl.schutz, Wien 1951. 2. Aufl., 66 S., 32 farb. Abb.

Besemer, A. F. H., Twee jaar vernevelen in de fruitteelt. (Two years of mist spraying in fruit culture.) Fruitteelt 40. 1950, 999—1000; 41. 1951, 7—9.

Bevilacqua, I., (Control of *Cydia* (i. e. *Carpocapsa*) *pomonella* and *Rhagoletis cerasi* in the Modena region.) Riv. Ortoflorofruttic. Ital. 35. 1951, 44—48.

Blumer, S., Organische Schorfbekämpfungsmittel. Schweiz. Ztschr. Obst-, Weinbau 60. 1951, 67—70, 1 Abb.

Blumer, S., Der Spritzplan 1951. Bemerkungen zur Schorf- und Mehltaubekämpfung. Schweiz. Ztschr. Obst-, Weinbau 60. 1951, 35—37.

Böhm, H., Die Vor- und Nachblüterspritzungen im Obstbau. Landwirtschaft 1951, 97—98.

Bonham, E. B., Our experience with concentrate sprays. Virginia Fruit 39. 1951, nr. 11, p. 23—25.

Brann jr., J. L., Mist concentrates on fruit trees. New York State hortic. Soc. Proc. 96. 1951, 100—107.

- Branzanti, E. C., e Rossi, L.**, I trattamenti primaverili ed estivi alle piante da frutto per il 1951. Riv. Fruttic. 13. 1951, 137—141.
- Brown, A. C.**, Plant inspection and quarantine and their relationship to the horticultural interests of Florida. Citrus Ind. 32. 1951, nr. 3, p. 5—9, 18.
- Burkholder, C. L., Sharvelle, E. G., and Lehker, G. E.**, Indiana spray and dust schedules for commercial fruit plantings. Purdue Univ. Agric. Ext. Bull. 310 (rev.). 1951, 47 p.
- Burrell, A. B.**, Are we ready for concentrate spraying? Virginia Fruit 39. 1951, nr. 2, p. 70—81.
- Burrell, A. B.**, Concentrate spraying for deciduous orchards. Amer. Fruit Grower 71. 1951, nr. 2, p. 21, 50—53.
- Burrell, A. B.**, Efficiency in spraying with special consideration of concentrates. Proc. Connecticut pomol. Soc. 1951, 61—76.
- Chamberlain, G. C.**, Current research on fungicides and insecticides for fruit disease and insect control in Ontario. Ontario Fruit Growers Conv. 1951.
- Chamberlain, G. C.**, Results of fungicidal trials for scab control in Ontario. [apples] Proc. canad. phytopath. Soc. Proc. nr. 18. 1951, 10—11 (Abstr.).
- Ciferri, R.**, I trattamenti invernali disinfestanti agli alberi fruttiferi nelle prove e nelle osservazioni dell'Osservatorio Fitopatologico di Pavia. Not. Mal. Piante nr. 14. 1951, 27—32.
- Cinq-Mars, L.**, Nouvel équipement pour la protection des vergers. Quebec Soc. Pomol., Fruit Cult. Ann. Rept. 1950. 1951, 85—105.
- Cinq-Mars, L.**, Results of spraying experiments at Rougemont, Queensland, in 1950. Quebec Soc. Pomol., Fruit Cult. Ann. Rept. 1950. 1951, 39—49.
- Clarke, L. M., and Clarke, J. R.**, N. Y. experiences with concentrate spraying. East. Fruit Grower 14. 1951, nr. 3, p. 5, 19.
- Cordy, C. B.**, Spray program 1951, Medford area, Oregon. [insect control] West. Fruit Grower 5. 1951, nr. 2, p. 11.
- Courty, A.**, Protection des arbres fruitiers. Agr. Mod., Prat. 3. 1951, nr. 18, p. 17—19.
- Cuillé, J., et Gabriel, G.**, Tests biologiques permettant le contrôle de l'efficacité des traitements insecticides. Fruits 6. 1951, 327—333.
- Davidson, J.**, A progress report on a preharvest spray. Michigan State hortic. Soc. Ann. Rept. 81. 1951, 59—62.
- Davis, A. C.**, The bioassay — for analysis of toxic spray residues. Farm Res. (New York State Stat.) 17. 1951, nr. 3, p. 3.
- De Jong, C.**, (Simplification of the spraying program.) Betuws Tuinbouwbl. 9. 1951, nr. 1, p. 2—4.
- De Regt, N. A.**, (Disease control in fruit culture.) Betuws Tuinbouwbl. 9. 1951, nr. 2, p. 2—4; nr. 5, p. 3; nr. 8, p. 3.
- De Viguerie, P.**, Les traitements avant et après la floraison sur prunier, pommier et poirier. Tarn-et-Garonne Agric. 14. 1951, 44—46.
- De Winkelried Bertoni, A.**, Las plagas de los frutales; medidas preventivas. Paraguay Minist. Econ. Cart. Agropecuara 156—158. 1951, 9—10.
- Dunegan, J. C.**, Chemicals — for control of fruit diseases. [fungicides] Agric. Chem. 6. 1951, nr. 3, p. 35—37, 118—119.
- Eickstedt, H. v.**, Konzentrat-Sprühgeräte im amerikanischen Obstbau. Ztschr. Pfl.krankh. 58. 1951, 276—278.
- Einsel, O.**, (Spraying of fruit trees, why and how.) [control of diseases and pests] Frukt og Baer 4. 1951, 131—135.
- Farina, M.**, (More on winter spraying of fruit trees.) Agr. Romagn. 1951, nr. 3, p. 2.
- Fjeldålen, J., and Gjaerum, H. B.**, (Spraying of fruit trees and berry bushes.) Norske Hageselsk. Minne- liste Hagedyrkere 2. 1951, 27—29, 31—33. (Koloni- hagen 21.)
- Freed, V. H.**, Chemical weed control in orchards. Oregon State hortic. Soc. Proc. 66. 1951, 192.
- Friedrich, G.**, Möglichkeiten zur Verbesserung des obstbaulichen Pflanzenschutzes durch Vorher- bestimmung des zu erwartenden Schädlingsbefalles. In: Querschnitt durch den neuen Gartenbau (Dtsch. Bauernverlag, Berlin) 1. 1951, 175—195.
- Galleghy, M. E., and Leach, J. G.**, Simplification of garden-pest control. West Virginia agric. Exp. Stat. Bull. 348. 1951, 15 p.
- Garton, J. E.**, A graphic solution for mast type orchard sprayer problems. Oklahoma agric. Exp. Stat. Misc. Publ. MP-21. 1951, 4 p.
- Gauthier, G.**, Introduction to the spray guide. Pomol., Fruit Growing Soc. Prov. Quebec Ann. Rept. 57 (1950). 1951, 32—34.
- Gentile, G.**, (Compulsory control of diseases and pests.) Fruttic. Campana 1. 1951, nr. 23, p. 1, 3.
- Gerritsen, C.**, (Spring spraying by amateur fruit growers.) Fruitteelt 41. 1951, 115.
- Goldsworthy, M. C.**, Fruit disease control. Amer. Fruit Grower 71. 1951, nr. 2, p. 17, 55.
- Graham, C., Bissell, T. L., Weaver, L. O., and Vierheller, A. F.**, Maryland spray calendar for apples and peaches. Maryland agric. Coll. Ext. Bull. 134. 1951, 14 p.

- Graham, C., and Weaver, L. O., Results of dilute and concentrated sprays on the control of codling moth (*Carpocapsa pomonella*), red-banded leaf roller (*Argyrotaenia velutinana*), apple scab (*Venturia inaequalis*), and on fruit finish. Cumberland-Shenandoah Fruit Workers' Conf. Proc. 27. 1951, 55—65.
- Gromovaia, E. F., (Combined spraying in the orchard.) [against San-José-scale and apple scab] Sad i Ogorod (Orchard and Garden) nr. 3. 1951, 34—35.
- Häffner, Warum wurde so wenig gespritzt? Obstbau 70. 1951, 150—151.
- Halleman, A., (Control of pests and diseases after flowering time.) Cult. en Handel 17. 1951, 225—226.
- Halleman, A., (Is winter spraying not indispensable in fruit culture?) Cult. en Handel 17. 1951, 105—106.
- Halleman, A., (Spraying in May.) [fruit pests] Cult. en Handel 17. 1951, 278—279.
- Hewetson, F. N., Preharvest sprays applied in concentrate form. Cumberland-Shenandoah Fruit Workers' Conf. Proc. 27. 1951, 143—144.
- Hey, G. L., and Mitchell, A. H., A difficult year for timing many orchard sprays. [insect control] Grower, London, 36. 1951, 220—221.
- Hilborn, M. T., New organic spray for scab and mite control. [Glyoxalidine for apple scab and Paratetranychus pilosus] Amer. Fruit Grower 71. 1951, nr. 4, p. 22—23.
- Hockey, J. F., Orchard fungicides in Nova Scotia. Maritime Agric. 1. 1951, 74—87.
- Holmes, G., Spray in winter. [fruit trees in Great Britain] Mod. Poultry Keeping 65. 1951, 702.
- Howard, W. E., and Hjersman, H. A., Deer repellents; sprays found not harmful to foliage on two-year-old trees. [fruit and nut trees] Calif. Agric. (Calif. Stat.) 5. 1951, nr. 9, p. 7.
- Hubbard, R. D., Take a long look at the insects before you start condemning them. East. Fruit Grower 14. 1951, nr. 9, p. 4, 17, 20—21.
- Hus, P., (What did 1951 teach us about disease control and mist spraying.) Fruitteelt 41. 1951, 884—887.
- Hus, P., (Winter or spring spraying?) Fruitteelt 41. 1951, 79—80.
- Jenkins, L., and Swartwout, H. G., General purpose spray mixtures for home fruit planting. Missouri agric. Coll. Ext. Circ. 592 (rev. Bull. 530). 1951, 4 p.
- Johanson, F. D., Garman, P., and Stoddard, E. M., Pest control guide, 1951. Connecticut Univ. Coll. Agric., agric. Ext. Serv., Storrs 1951.
- Johnson, F., Dormant sprays check fruit tree diseases [insect and disease control] Northwest. Farm News 34. 1951, nr. 5, p. 8.
- Kearns, H. G. H., The control of pests and diseases of soft fruit crops and methods of spraying. Worcester-shire agric. Chron. 19 (1950). 1951, 31, 33, 35, 37.
- Kerstens, J., (Winter spraying.) Boer en Tuinder 5. 1951, nr. 212, p. 4.
- Kestenbaum, M., Do your trees need a doctor? Horticulture 29. 1951, 442.
- Kirby, A. H. M., Plant protective chemistry. East Malling Res. Stat. Ann. Rept. 38 (1950). 1951, 44—47.
- Kitajima, H., Kaju no byogai bojo. (Protection of fruit trees from their diseases.) Osaka, Fuminsha 1951. 189 p.
- Klarup-Hansen, J., (Dusting in the garden.) Haven [danish] 51. 1951, 75—76.
- Klett, Anleitung für die Durchführung der Obstbau-Spritzungen 1951. Obstbau 70. 1951, 8—9.
- Klett, Die Bekämpfung der wichtigsten Obstbauschädlinge 1951. Obstbau 70. 1951, 7 u. 9.
- Klett, Können wir heute schon mit Nebelverfahren in Obstbau arbeiten? Obstbau 70. 1951, 110—111.
- Knowlton, G. F., Edgecombe, S. W., and Sorenson, C. J., Official Utah fruit spray recommendations for 1951. Utah State agric. Coll. Ext. Bull. 228. 1951, 20 p.
- Kotte, W., Der Wert der Vorblütespritzung. Gesunde Pflanzen 3. 1951, 41—45, 2 Abb.
- Kotte, W., Wie führen wir die Winterspritzung durch? Bauern-Ztg. 4. 1951, Nr. 51/52, S. 9—10.
- Kramp, M., Wundenbehandlung und Verschlussmittel. Gartenwelt 51. 1951, 78—79, 6 Abb.
- Lasnier, G. G., Dans le verger, la pulvérisation sous forme concentrée. Terre Chez Nous 23. 1951, nr. 20, p. 9.
- Lavezzini, A., (Let us protect our fruit trees.) [winter spraying for insect pest control] Avvenire Agric. 59. 1951, 8—9, 37—39.
- Lavrov, N. N., (Diseases of fruit and berry crops in Tomsk Region and measures for controlling them.) Tomsk Gosud. Univ. im. V. V. Kuibysheva Trudy 114. 1951, 251—253.
- Lewis, F. H., and Asquith, D., The use of concentrate sprays on fruit in Pennsylvania in 1951. Pennsylv. State hortic. Assoc. Proc. 92. 1951, 18—20, 22, 24—25.
- Liguori, F., (Winter spraying of fruit trees.) [insect control] Agric. Toscana 6. 1951, 27—30.
- Lockwood, S., and Coe, D. M., Delayed dormant and spring spray schedules for deciduous fruit trees — 1951. Blue Anchor 28. 1951, 18—21.
- Lockwood, S., and Coe, D. M., Delayed dormant and spring spray schedule; suggested control methods given for deciduous fruit and nut trees. Calif. Farm Bur. Monthly 32. 1951, nr. 2, p. 1, 10—11, 16.

- Lockwood, S., and Weigle, C. G.,** Dormant spray schedule for 1951—52. *Blue Anchor* 28. 1951, nr. 4, p. 16—18.
- Louw, A. J.,** The problem of spray damage in fruit disease control in the Western Cape Province. *Int. Congr. Crop Prot. Proc.* 2 (1949). 1951, 260—262.
- Maan, W. J.,** (Dusting and spraying.) [fruit diseases] *Groenten en Fruit* 6. 1951, 580—581.
- McKinlay, K. S., Kirby, A. H. M., and Allen, M.,** Experiments on increasing the penetration of ovicides and insecticides. *East Malling Res. Stat. Ann. Rept.* 38 (1950). 1951, 177—186.
- Madsen, H. F.,** Spray program 1951, California. [insect control] *West. Fruit Grower* 5. 1951, nr. 2, p. 13—18.
- Mallach, N.,** Die Bekämpfung von Schorf und Obstmade. *Bayer. Landesanst. Pfl.bau u. Pfl.schutz, München, Merkbl.* 64. 2. Aufl. 1951, 4 S., 7 Abb. — *Pflanzenschutz, München*, 3. 1951, 35—38, 6 Abb.
- Man'ko, N. F.,** Kak vesti bor'bu s vrediteliami sada i ogoroda. (How to control pests of orchards and vegetable gardens.) *Akad. Nauk Belorusskoi SSR.*, Minsk 1951. 106 p.
- Marsh, C.,** Spraying revolution in orchards. *Fruit, Veg. Rev.* 12. 1951, nr. 10, p. 18.
- Marshall, J.,** Concentrate spraying for orchards. (Canadian developments.) *Hoosier Hortic.* 33. 1951, 119—124.
- Marshall, J.,** Mechanization of orchard spraying in British Columbia. *Ontario ent. Soc. 81th Ann. Rept.* (1950). 1951, 16—19.
- Marshall, J.,** Mechanizing the spraying job. *Canad. Grower* 74. 1951, nr. 3, p. 10—12.
- Marshall, J.,** Nozzle abrasion in orchard spray applicators. *Sci. Agric.*, Ottawa, 31. 1951, 470—474.
- Matt, J.,** Sommerspritzungen sind nötig! *Bauern-Ztg.* 4. 1951, Nr. 18/19, S. 4.
- Menis, Y.,** (Good methods of dusting.) *Hassadeh* (hebr.) 31. 1951, 387—388.
- Metcalf, R. L.,** Pest control progress. *Calif. Citrogr.* 37. 1951, nr. 2, p. 48, 70.
- Mickle, G. T., and Newton, J. H.,** Fruit pests — their control in Colorado. *Colorado agric. Exp. Stat. Bull.* 416—A. 1951, 40 p.
- Mills, W. D., and Laplante, A. A.,** 1951 spray schedules for tree fruits. *Cornell Univ. agric. Coll. Ext. Bull.* 812. 1951, 24 p.
- Mitchell, A. E.,** Weather affects spray injury. *Amer. Fruit Grower* 71. 1951, nr. 3, p. 13, 24, 25.
- Moore, L. H.,** Control your garden pests. *New Mexico agric. Coll. Ext. Circ.* 230. 1951, 8 p.
- Müller, F.,** Winterobstbaumspritzung 1949/50 im Stadtgebiet Ludwigshafen. *Anz. Schädl.kunde* 24. 1951, 4—7, 2 Abb.
- Müller, F. P.,** Winterspritzung unerlässlich! *Kleingärtner u. Siedler* 5. 1951, 6, 1 Abb.
- Neame, T.,** Developments in fruit growing at home and abroad. [disease and pest control] *East Malling Res. Stat. Ann. Rept.* 1951 (39). 1951, 53—61.
- Nelson, H. T.,** Our experiences with concentrate sprays in 1950. *Michigan State hortic. Soc. Ann. Rept.* 80 (1950). 1951, 21.
- Parneix, P.,** Pour protéger vos cultures. *Motorisation Agric.* 6. 1951, 247, 249, 251, 253.
- Pearch, L. C.,** The evolution of low volume fruit spraying. *Fruit Grower* nr. 2921. 1951, 1077—1078.
- Pegazzano, F.,** Contributo alla conoscenza dei mezzi di lotta contro alcune specie di insetti nocive ai fruttiferi. (Contribution to the knowledge of the means of control of some species of insects harmful to fruit.) »*Redia*«, *Giorn. Ent.*, Firenze, 36 (2. ser.). 1951, 381—409.
- Philipp, W.,** Kahle Bäume im Sommer. *Bad. landw. Wochenbl.* 118. 1951, 398, 3 Abb.
- Philipp, W.,** Die praktische Obstbaumentseuchung. *Gesunde Pflanzen* 3. 1951, 71—73, 1 Abb.
- Pierson, R. L.,** Our experiences with concentrate spraying in 1950. *Michigan State hortic. Soc. Ann. Rept.* 30 (1950). 1951, 22—23.
- Porter, B. A.,** Trends in orchard insect control. *Amer. Fruit Grower* 71. 1951, nr. 2, p. 15, 40—41.
- Portman, R. W.,** Idaho pest control urged. *West. Fruit Grower* 5. 1951, nr. 8, p. 22.
- Powell, D., Chandler, S. C., and Kelley, V. W.,** Pest control in commercial fruit plantings, 1951. [insects and diseases] *Illinois agric. Coll. Ext. Circ.* 678. 1951, 39 p.
- Pratt, R. M.,** Development and use of a concentrate sprayer for orchards. *Indiana hortic. Soc. Trans.* 89 (1949). 1951, 46—53. — *Pennsylv. State hortic. Assoc. Proc.* 91. 1950, 63—64, 66—68, 70—71.
- Reich, H.,** Überblick über den Schädlingsbefall 1950 und die Wirkung der eingesetzten Mittel. *Mitt. Mitgl. Obstbauvers.ring Altes Land usw.* 6. 1951, 6—12.
- Reisinger, E.,** Die Winterspritzung 1951/52. *Kärntner Bauer* 101. 1951, 771—772.
- Renner, F.,** Der Obstgarten im Winter. II. [Spritzen gegen Insekten] *Gartenbauwirtschaft, Wien*, 1951, 16.
- Reuß, E.,** Gemeinschaftsspritzungen im Obstbau. *Anz. Schädl.kunde* 24. 1951, 122—123.

- Ring, D. S.**, Report on results of concentrate spraying. New York State hortic. Soc. Proc. 96. 1951, 97—98.
- Rodriguez, J. G.**, and **Armstrong, W. D.**, Kentucky spray and dust schedules for commercial fruit plantings, 1951—52. Kentucky agric. Coll. Ext. Circ. 487. 1951, 40 p.
- Rogers, W. S.**, and **Beryl Beakbane, A.**, The effect of netting and hessian antifrost screens and of brick walls on air temperatures. East Malling Res. Stat. Ann. Rept. 38 (1950). 1951, 60—64, 6 fig.
- Rosella, E.**, L'actualité au verger. Réveil Agr. 60. 1951, 182.
- Rossi, L.**, (Winter care of fruit trees.) [spraying and dusting] Riv. Fruttic. 13. 1951, 50—54.
- Rui, D.**, I trattamenti antiparassitari estivi alle piante da frutto. [Summer spraying of fruit trees.] [insect control] Terra e Sole 107. 1951, 255—256.
- Rui, D.**, I trattamenti invernali alle piante da frutto. Terra e Sole 101. 1951, 23—24.
- Rui, D.**, I trattamenti primaverili alle piante da frutto. (Spring spraying of fruit trees.) Terra e Sole 103. 1951, 104—106; 104. 1951, 144—145.
- Rui, D.**, I trattamenti primaverili in frutticoltura. Riv. Ortoflorofruttic. ital. 76. 1951, 76—81.
- Rui, D.**, (Rules for the winter spraying of Venetian fruit trees.) Inform. Agric. 7. 1951, 5—6.
- Sauer, T.**, Raupenleimring — noch zeitgemäß? Mitt.bl. Landesverb. Gartenbau, Landw. Berlin 1. 1951, 175—176.
- Schäfer, C.**, und **Klett**, Können wir heute mit dem Nebelverfahren im Obstbau arbeiten? Obstbau 70. 1951, 152—153.
- Schulze, K.**, Winterspritzung im Obstbau. Dtsch. Landw. 2. 1951, 101.
- Scrimgeour, J. H.**, Whither pest control? Fruit-Grower nr. 2907. 1951, 423—425.
- Seitzer**, Mit oder ohne Schädlingsbekämpfung im Obstbau? Obstbau 70. 1951, 67, 2 Abb.
- Sembianti, R.**, (Seasonal spraying of fruit trees.) Seme (ital.) 3. 1951, 131—134.
- Sharapov, V. I.**, and **Lobaev, N. I.**, (On the control of *Pentodon idiota* in young orchards.) Sad i Ogorod (Orchard and Garden) nr. 9. 1951, 79.
- Shurtleff, M. C.**, Pest control for home grown fruit. Rhode Island State Coll. Ext. Mimeogr. Circ. 73. 1951, 6 p.
- Spencer, S. M.**, Are you letting your trees die? Sat. Evening Post 223. 1951, nr. 46, p. 42—43, 92, 96, 98—100.
- Stapley, J. H.**, A new technique: low-volume spraying of top fruit. Fruit Grower nr. 2919. 1951, 981—982.
- Stearns, L. A.**, and **Heuberger, J. W.**, Delaware's fruit spray schedules for 1951. Delaware Univ. agric. Ext. Bull. 54. 1951, 7 p.
- Steiner, H. M.**, Principles involved in getting greater returns from our spray dollars. Michigan State hortic. Soc. Ann. Rept. 80 (1950). 1951, 30—37.
- Stellwaag, F.**, Schädlingsbekämpfung im Obstbau. E. Ulmer, Stuttgart / z. Zt. Ludwigsburg 1951. 100 S., 70 Abb. (Grundl. u. Fortschr. i. Garten- u. Weinb. H. 92).
- Stephan, F.**, Ohne Winterspritzung kein Qualitätsobst. [in Österreich] Bauer 4. 1951, Nr. 38, S. 9—10.
- Stoy, O.**, (Should not the effect of sprays on the appearance of the fruit be investigated?) Sver. pomol. Fören. Fruktdlaren 2. 1951, 80—81.
- Taper, C. D.**, Winter protection for our fruit plants. J. Macdonald Coll. 12. 1951, nr. 3, p. 6—7.
- Taubitz, K.**, Schädlingsbekämpfung im Obstbau und innertherapeutische Pflanzenschutzmittel. Mitt.bl. Obstbau-Berat.ring 6. 1951, Nr. 6, S. 10—11.
- Telford, H. S.**, Pests' resistance to insecticides remains puzzle. Better Fruit 46. 1951, nr. 5, p. 17—18.
- Teske, A. H.**, 1951 spray program for apples and peaches. Virginia Fruit 39. 1951, nr. 2, p. 119—145.
- Thiem, H.**, Vordringliche Pflanzenschutzaufgaben des Obstbaues im südwestdeutschen Raum. Bad. Obst- u. Gartenbau 4. 1951, 133—138.
- Thiem, H.**, Wie kann dem Kleinbauern im obstbaulichen Pflanzenschutz geholfen werden? (Sind Großraumbehandlungen heute mit Erfolg möglich?) Bauernztg., Freiburg i. Br., 4. 1951, Nr. 48, S. 5—6; Nr. 49, S. 7, 9.
- Thullbery, H. A.**, and **Mathias, A. F.**, The post-bloom spray. Citrus Mag. 13. 1951, nr. 7, p. 23.
- Tögel, V.**, Vogelschutz ist wichtig im Obstbau. Berufsgärtner (Österreich) 4. 1951, 5—6.
- Tukey, H. B.**, Handling winter injured fruit trees. Michigan Farmer 215. 1951, 4, 29.
- Tunblad, B.**, (At the approach of the spraying season.) [fruit diseases] Sver. pomol. Fören. Fruktdlaren 2. 1951, 46—49.
- Tunblad, B.**, Från årets bekämpningsmedelsprövnings- Växtskyddsnotiser, Stockholm, 15. 1951, 49—52.
- Turner, S. W.**, Aircraft in agriculture; legal low flying gives fruit growers increased yields. [insect control] West. Fruit Grower 5. 1951, nr. 10, p. 21—22.
- Verlaet, J. G.**, (Mist spraying in the orchard.) Cult. en Handel (flem.) 17. 1951, 442—444.
- Weber, A.**, (Summer spraying in the orchard.) Husmandshjemmet (danish) 21. 1951, 7.

Webster, R. L., Changes in tree fruit spray practices. West. Fruit Grower 5. 1951, nr. 8, p. 19—20.

Weeder, K., (Control of fruit diseases.) Betuws Tuinbouwbl. 9. 1951, nr. 12, p. 2—3.

Weeder, K., (Disease control in fruit culture in 1951.) Betuws Tuinbouwbl. 9. 1951, nr. 17, p. 4—5.

Wenzl, H., Zur technischen Durchführung der Winterspritzung. Pflanzenarzt, Wien, 4. 1951, Nr. 12, S. 4—5.

Wheeler, E. H., Pest control in fruit growing. Plants and Gard. 7. 1951, 215—217.

Williams, A. T., Let's consider the merits of concentrate sprays. [fruits] East. States Coop. 27. 1951, nr. 2, p. 6—8.

Williams, W. H. S., Sulphur, then mercury. [spraying of fruit trees] Grower, London, 36. 1951, 415—416.

Wiltshire, G., Midwinter spray program outlined. Sunday Oregonian, Farm, Home, Garden 1951, 6—7.

Young, H. C., Cutwright, C. R., and Winter, H. F., How to use a concentrate orchard sprayer. Illinois State hort. Soc. Trans. 84 (1950). 1951, 156—160.

Zeumer, H., Anerkennung und Anwendung von Winterspritzmitteln. Nachr.bl. dtsh. Pflschutzd., Braunschweig, 3. 1951, 187—189.

All-purpose spray schedule for home fruits and ornamentals. New Hampshire agric. Coll. Ext. Folder 18. 1951, 4 p.

Control of insects and diseases on bush fruits. New Jersey Coll. Agric., Mech. Arts Ext. Serv., Spray Calendar 46. 1951, 8 p.

Einige aktuelle Fragen aus dem Gebiet der Schädlingsbekämpfung im Obstbau. Ostschweiz. Landwirt 97. 1951, 315—318.

Fruit tree spraying. [insect pest control] North. Ireland Minist. Agric. Monthly Rept. 25. 1951, 272—273.

Frukträdens besprutning. Stat. Växtskyddsanst., Stockholm, Flygbl. nr. 93 (rev. uppl. av nr. 87). 1951, 12 p., 10 fig.

Leitsätze zur Obstbaupflege und Obstbaumspritzung. Gartenjahr 6. 1951, 6—10.

Nursery fumigatorium. Amer. Nurseryman 93. 1951, nr. 11, p. 12—13.

Spraying farm orchards. Wisconsin agric. Coll. Ext. Stencil Circ. 157 (rev.). 1951, 4 p.

Spray programs for tree fruits in eastern Washington. Washington State Coll. Ext. Bull. 419 (rev.). 1951, 35 p.

Spritzkalender 1951. Pflschutzzamt Oldenburg 1951. 4 S., 3 Abb.

g. Spezieller Teil Special part — Partie spéciale

Steinobst

Stone fruits — Fruits à noyaux

Allgemeiner Teil

General part — Partie générale

Bellavite, F., (Winter spraying of drupaceous fruits.) Inform. Agric. 7. 1951, nr. 5, p. 6.

Cochran, J. H., Ferree, R. J., Foster, H. H., and Nettles, W. C., Peach pest control in South Carolina. Clemson agric. Coll. South Carolina Ext. Circ. 360. 1951, 16 p.

Dement'eva, M. I., (Increasing the disease resistance of apricots by pruning.) Sad i Orogod (Orchard and Garden) nr. 3. 1951, 32—34.

Goidanich, G., e Foschi, S., Il »mal del coppo« nel pesco. (»Cup disease« in peaches.) Giorn. Agric. 61. 1951, 362.

Grasso, V., Ancora sul deperimento del ciliegio (1948—1951). Not. Mal. Pianta nr. 17. 1951, 34—39.

Hansen, C. J., Prune production in California. [diseases] Calif. agric. Ext. Serv. Circ. nr. 180. 1951, 35 p., 29 fig., 1 tab., 1 tab. geogr.

Harranger, J., Un cas de dépérissement: Le cerisier à kirsch dans la Vège. Phytoma, Paris, 4. 1951, nr. 25, p. 23—24.

Harranger, J., Les ennemis du mirabellier. Compt. rend. Congr. Pomol. Lorraine 4. 1951, 23—30.

Jones, S. C., Means of controlling stone fruit pests outlined. Better Fruit 45. 1951, nr. 8, p. 40—42.

Lapedagne, H., Dépérissement des pêchers; à quoi attribuer la mortalité? Blé et Vin 28. 1951, nr. 1170, p. 1. — Terre d'Oc 33. 1951, 248—252.

MacKay, J. H. E., Acti-dione treatment of cherry fruit. J. austr. Inst. agr. Sci. 17. 1951, 216—217.

Monin, A., Description et identification des variétés de cerisiers. [resistance] Bull. Inst. agron. Gembloux 19. 1951, 276—326, 35 fig.

Rosella, E., Pourquoi des fleurs et des rameaux se sont desséchés. [pêches] Progr. agric., vitic. 136. 1951, 43—44.

Rostirolla, D. P. G., Dépérissement et mort des pêchers. Terre d'Oc 33. 1951, 338—342.

Rui, D., Trattamenti autunno-invernali. Terapia peschicola di emergenza. (Dormant spraying for peaches.) Riv. Ortofruttic. ital. 76 (35). 1951, 261—264.

Schmid, O., Ist die für Kirschen-A-Sortierung vorgeschlagene Kontrollbestimmung »madenfrei« gerecht? Schweiz. Ztschr. Obst-, Weinbau 60. 1951, 182—184, 1 Abb.

- Smith, C. F., and Clayton, C. N., Peach spray information. North Carolina agric. Exp. Stat. Spec. Circ. 12. 1951, 11 p.
- Stearns, L. A., Benzene hexachloride, parathion and dieldrin in Delaware's 1951 peach spray schedule. Trans. Peninsula hortic. Soc. (Delaware State Bd. Agric. Bull. 41). 1951, 9 p., 1 fig.
- Weber, Kirschfruchtfliege und Schrotschußkrankheit, zwei wichtige Schädlinge im Süßkirschenanbau. Hess. Obstbau 6. 1951, 92—93.
- Welsh, M. F., and Lott, T. B., Conquest of »little cherry« and of »small bitter cherry« still remote but investigators' progress useful. Country Life, Vernon, 35. 1951, nr. 5, p. 3—4, 6.
- 1951 spraying recommendations for peaches. New Jersey agric. Coll. Ext. Spray Calendar 45. 1951, 8 p.
- Summer spray schedules for peaches. South Carolina Clemson agric. Coll. Ext. Inform. Card 72. 1951.
- Nichtparasitäre Krankheiten**
 Diseases not caused by parasites
 Maladies non parasitaires
- Brezina, R., Gummifluß an Steinobstbäumen. Illustr. Flora 74. 1951, 138—139.
- Davidson, O. W., Key to nutrient deficiencies in peach trees. U.S. Dept. Agric. agric. Handb. 10. 1951, 220—221.
- Gigante, R., Suberosi in frutti e foglie di Albicocco. (Suberosis in fruits and leaves of the apricot.) Ann. Sperim. agr., Roma, n. ser. 5. 1951, 1467—1474, 8 fig. — Boll. Staz. Pat. veg., Roma, 9 (3 ser.). 1951, 111—118.
- Govi, G., (A non-parasitic spotting of peach leaves.) Riv. Fruttic. 13. 1951, 195—199.
- Higdon, R. J., The effects of 2, 4, 5-trichlorophenoxyacetic acid on the development and ripening of eighteen varieties of peach fruits. Proc. amer. Soc. hortic. Sci. 58. 1951, 73—79.
- Luce, W. A., Type and extent of winter injury in stone fruits. Oregon State hortic. Soc. Proc. 66. 1951, 104—106.
- Maccanti, M., (Cold damage to peach trees.) Agric. Ferrarese 55. 1951, 105—109.
- Mezzetti, A., (Non-parasitic leaf spot and shot-hole of plum.) Ann. Sperim. agr., Roma, 5 (n. ser.). 1951, 1003—1008.
- Mezzetti, A., Perforazione non parassitaria delle foglie di susino. Inform. Fitopat., Bologna, nr. 8. 1951, 4—5, 1 fig.
- Mills, W. D., and Van Geluwe, J. D., Field evaluation of glyoxalidine compounds for control of cherry leaf spot. Phytopathology 41. 1951, 466—474.
- Morris, H. E., and Afanasiev, M. M., Winter injury to sweet cherries in Montana. Plant Dis. Repr. 35. 1951, 192—193.
- Oberle, G. D., and Moore, R. C., Peach varieties vary in resistance to frost at blossoming. Fruit Varieties, hortic. Digest 5 (1950). 1951, 67—74.
- Rui, D., Scarsità di rame e peschicoltura. Inform. Agr. 7. 1951, nr. 24, p. 4.
- Shahtan, I. M., (Cold-resisting peach varieties.) Glav. Bot. Sad., Moscow, Bull. 10. 1951, 48—52.
- Siaens, F., (Spraying to prevent cracking of cherries.) Cult. en Handel (flém.) 17. 1951, 393.
- Verona, O., Le dépérissement des pêcheurs observé en France-est-il le même que celui observé en Italie? Terre d'Oc 33. 1951, 313—314.
- Zielinski, Q. B., and Garren jr., R. G., Effect of 2, 4-dichlorophenoxyacetic acid and naphthalene acetic acid on increasing fruit-setting and delaying maturity of Monmorency cherries. Bot. Gaz. 113. 1951, 147—150.
- Zielinski, Q. B., Marth, P. C., and Prince, V. E., Effects of 2, 4, 5-trichlorophenoxyacetic acid on the maturation of prunes. Proc. amer. Soc. hortic. Sci. 58. 1951, 65—68.
- Zwintscher, M., Experimentelle Untersuchungen zur Züchtung von Obstgehölzen mit frostwiderstandsfähigen Fruchtknospen und Blüten. II. Prunus-Formen. Ztschr. Pfl.züchtg. 30. 1951, 315—343, 8 Abb.
- Pflanzliche Feinde**
 Vegetal parasites — Parasites végétaux
- Angell, H. R., Brown rot of stone fruits. 1. An unsuccessful attempt to increase percentage infection by artificial inoculation. J. austr. Inst. agric. Sci. 17. 1951, 212—213.
- Baldassari, T., and Maccanti, M., (Tests for control of Coryneum and Exoascus deformans on peach.) Agric. Ferrarese (ital.) 55. 1951, 193—197.
- Berville, P., Le Monilia et l'abricotier. Réveil Agr. 60. 1951, 161—162.
- Blumer, S., Die Bekämpfung der Sprühfleckenkrankheit an Kirschbäumen (Cylindrosporium padi). Schweiz. Ztschr. Obst-, Weinbau 60. 1951, 505—507, 2 Abb.
- Bömeke, H., Eine wenig bekannte Krankheit auf Kirschblättern. [Cylindrosporium padi?] Mitt. Mitgl. Obstbauvers.ring Altes Land usw. 6. 1951, 145, 1 Abb.
- Brown, J. G., and Heep, D. M., Effect of streptomycin on budwood infected with Phytomonas pruni. Science 104. 1946, 208.

- Burkholder, C. L., and Sharvelle, E. G.**, The control of brown rot of peaches. *Indiana hort. Soc. Trans.* 89 (1949). 1951, 22—28.
- Burkholder, C. L., and Sharvelle, E. G.**, Peach brown-rot control in orchard, storage and transit. *Purdue Univ. Agric. Ext. Bull.* 364. 1951, 16 p.
- Burkholder, C. L., and Sharvelle, E. G.**, Several orchard management practices which are an aid preventing in transit brown rot of peaches. *Illinois State hort. Soc. Trans.* 85. 1951, 219—223.
- Bush, R.**, How to deal with sooty blotch. [on plums] *Countryman, Burford*, 43. 1951, 346—347.
- Crosse, J. E.**, The leaf scar as an avenue of infection for the cherry bacterial canker organism, *Pseudomonas mors-prunorum* Wornald. *Nature*, London, 168. 1951, 560—561.
- Crownover, R., Mandel, J. D., and Eisenstark, A.**, Studies of a bacterial virus active against *Xanthomonas pruni* (Holmes). *Oklahoma Acad. Sci. Proc.* 31 (1950). 1951, 40—42.
- Cruchet, P.**, Présence dans le canton de Vaud de la rouille du cerisier et d'une érysiphée sur un chrysanthème. [Puccinia cerasi, Erysiphe cichoracearum] *Bull. Soc. vaud. sci. nat.* 65. 1951, nr. 278, p. 41—47.
- Daines, R. H., and Hough, L. F.**, Artificial inoculation of peach seedlings with *Xanthomonas pruni*. *Phytopathology* 41. 1951, 8.
- Day, L. H.**, Cherry rootstocks in California. [Bacteria, Fungi] *Calif. agric. exp. Stat. Bull.* nr. 725. 1951, 31 p., 20 fig.
- Delitala, A.**, Secume apicale dei rami di pesco dovuto a Cytospora. (Apical withering of the peach branches due to Cytospora.) [C. leucostoma] *Ann. Sperim. agr., Roma*, n. ser. 5. 1951, 433—440, 5 fig.
- Diehl, W. W.**, A Microstroma on peach. [M. tonellianum] *Plant Dis. Reprtr.* 35. 1951, 497, 1 fig.
- Dunegan, J. C., and Petersen, D. H.**, Some aspects of the peach anthracnose problem. [Glomerella cingulata] *Phytopathology* 41. 1951, 560—561.
- English, H., and Wilson, E. E.**, Low volume sprays for peach disease. [Coryneum, Taphrina deformans] *Agric. Chem.* 6. 1951, nr. 11, p. 71. — *Phytopathology* 41. 1951, 938.
- Fink, H. C., and Hobart jr., O. F.**, Fungicidal control of leaf spot and mildew on nursery cherry trees in Iowa. *Phytopathology* 41. 1951, 12.
- Foschi, S.**, (Gummosis and leaf curl of drupaceous plants.) [Coryneum beijrinkii, Exoascus deformans] *Agric. Romagn.* nr. 4. 1951, 2.
- Gerrard, J.**, Silver leaf on peach trees. *Gard. Chron.* 130. 1951, 101.
- Goidanich, G.**, Un misterioso signore: il Coryneum. [pesco] *Inform. Fitopat., Bologna*, nr. 6. 1951, 1—2, 1 fig.
- Grosjean, J.**, Kruisingsproeven bij pruimen. (Crossing experiments with plums.) [resistance to Stereum purpureum] *Meded. Dir. Tuinbouw* 14. 1951, 744—752, 5 fig.
- Groves, J. W.**, A Dermea on Prunus from China. *Mycologia, Lancaster*, 43. 1951, 719—722, 2 fig.
- Heuberger, J. W., and Poulos, P. L.**, Peaches: relative effectiveness of fungicide applications, with and without a standard insecticide treatment, for control of the brown rot disease on fruit. *Cumberland-Shenandoah Fruit Workers' Conf. Proc.* 27. 1951, 15.
- Katajima, H.**, Studies on the dissemination of peach anthracnose II. [Gloeosporium laeticolor] *Ann. phytopath. Soc. Japan* 15. 1951, nr. 2, p. 67—71, 8 fig.
- Kirby, R. S.**, Mercury sprays give indication of reducing bacterial leaf spot of peach foliage. *Cumberland-Shenandoah Fruit Workers' Conf. Proc.* 27. 1951, 45.
- Maccanti, M.**, (Preliminary note on spore formation of Coryneum.) [on peaches] *Agric. Ferrarese* 55. 1951, 112—113.
- McClure, T. T., and Cation, D.**, Comparison of Actidione with some other spray chemicals for control of cherry leaf spot in Michigan. *Plant Dis. Reprtr.* 35. 1951, 393—395, 2 fig.
- Marlen, A.**, (Monilia [M. cinerea] on cherries.) *Tuinbouwberichten* 15. 1951, 103—104.
- Martinović, M.**, (Protection of plum trees from Taphrina pruni.) *Plant Prot., Beograd*, nr. 8. 1951, 33—38.
- Mason, C. L.**, Orchard experiments on the control of bacterial spot of peaches. *Phytopathology* 41. 1951, 25.
- Mowry, J. B.**, Cross inoculation of Prunus with Cocomyces. *Phytopathology* 41. 1951, 27.
- Parsons, H.**, Bacteriosis. *Gard. Chron.* 130. 1951, 147.
- Parsons, H.**, Peach leaf curl. [Taphrina deformans] *Gard. Chron.* 129. 1951, 54.
- Petersen, D. H., and Cation, D.**, Peach blossom blight control experiments. [Sclerotinia fructicola] *Michigan agric. Exp. Stat. Quart. Bull.* 33. 1951, 218—222.
- Poulos, P. L., and Heuberger, J. W.**, Peaches: relative effectiveness of various spray applications for the control of brown rot fruit infection in the orchard, Bridgeville, Delaware, 1949—1951. *Cumberland-Shenandoah Fruit Workers' Conf. Proc.* 27. 1951, 13.
- Powell, D.**, Phygon XL for the control of peach blossom blight. [Sclerotinia fructicola] *Plant Dis. Reprtr.* 35. 1951, 76—77.
- Pupillo, M.**, Perforazione di foglie di albicocco da Cercospora. *Inform. Fitopat., Bologna*, nr. 8. 1951, 7—8, 1 fig.

Ramsey, G. B., Smith, M. A., and Heiberg, B. C., Anthracnose of peaches. *Phytopathology* 41. 1951, 447–455, 2 fig.

Rosella, E., Un ennemi des pêchers qu'il faut combattre dès l'automne, puis en hiver: le *Coryneum*. *Progr. agric., vitic.* 135. 1951, 128–129.

Rosella, E., Il faut traiter les pêchers en automne contre le *Coryneum*, dessécheur de rameaux. *Progr. agric., vitic.* 136. 1951, 282–284.

Rui, D., (Protection of peaches against fungus diseases.) *Agric. Venezia* 5. 1951, 616–617.

Sharvelle, E. G., Black-knot of plums and its control. [Plowrightia morbosa] *Purdue Univ. Agric. Ext. Leaf.* 291 (rev.). 1951, 7 p.

Sharvelle, E. G., Peach leaf curl and its control. [Taphrina deformans] *Purdue Univ. Agric. Ext. Leaf.* 306 (rev.). 1951, 7 p.

Sharvelle, E. G., and Burkholder, C. L., Evaluation of fungicides for the prevention of peach brown-rot. [Sclerotinia fruticola] *Indiana agric. Exp. Stat. Bull.* nr. 564. 1951, 19 p., 2 fig.

Siaens, M. F., Est-il possible de prévenir le crevassement des cerises? *Fruit belge* 19. 1951, 105–106.

Smith, M. A., Anthracnose on Michigan peaches. *Plant Dis. Repr.* 35. 1951, 276.

Smith, M. A., and Wright, W. R., Natural infection of peach fruit by *Diplodia*. *Plant Dis. Repr.* 35. 1951, 222.

Smith jr., W. L., and Haller, M. H., Peach anthracnose found in West Virginia. *Plant Dis. Repr.* 35. 1951, 465.

Steenland, A. P., Whitches-broom of cherry. *West. Fruit Grower* 5. 1951, nr. 4, p. 36–37.

Togliani, F., Osservazioni sulle alterazioni dei tessuti fogliari nelle piante di pesco colpite dal mal del piombo. (Variations of leaf tissues of peach trees affected by silver-leaf disease.) *Ann. Sperim. agr., Roma*, n. ser. 5. 1951, 593–606, 2 tab.

Volkova, E. P., The peach variety Sejanec Volkovoï. [Taphrina deformans] *Sad i Ogorod (Orchard and Garden)* nr. 8. 1951, 76.

Wade, G. C., Progress report of brown rot of apricot investigations. [Sclerotinia fruticola] *Tasmanian J. Agric.* 22. 1951, 258–266, 2 fig.

Weaver, L. O., The constriction disease of peach in Maryland. [Phomopsis] *Plant Dis. Repr.* 35. 1951, 144, 1 fig.

Lutte contre la maladie criblée. [Schrotschußkrankheit?] *Rev. rom. Agric., Vitic., Arboric.* 7. 1951, 15–16.

Taphrina padi (Jacq.) Mix. [on apricots]. *Plant Prot. Bull.*, New Delhi, 3. 1951, nr. 1, p. 31.

Tierische Feinde

Animal parasites — Parasites animaux

Angell, G. N., The »right« insecticides control stone fruit pests, and here are recommendations about the right ones for some of the more common insect pests in Oregon orchards. *Oregon Farmer* 74. 1951, 152, 170.

Anthon, E. W., Investigations in the control of stone fruit insects and mites. *Tree Fruit Exp. Stat.*, Wenatchee (Washington), 1951.

Anthon, E. W., New insecticides check mites, aphids on stone fruits. *Better Fruit* 45. 1951, nr. 8, p. 37–39.

Anthon, E. W., Spray program 1951, Washington; mites, aphids and scale (*Aspidiotus perniciosus*) on stone fruits. *West. Fruit Grower* 5. 1951, nr. 2, p. 21–22.

Anthon, E. W., Sprays for the fruit tree leaf roller. [Archips argyrospila on stone fruits] *J. econ. Ent.* 44. 1951, 995.

Anthon, E. W., and Wolfe, H. R., Erythroneura dolosa and E. plena on sweet cherry in Washington. *J. econ. Ent.* 44. 1951, 614–615.

Anthon, E. W., and Wolfe, H. R., Leaf hoppers increasing problem on cherry trees. [Erythroneura dolosa and E. plena] *Better Fruit* 46. 1951, nr. 4, p. 8, 16.

Ausland, O., Kirsebaerflua (*Rhagoletis cerasi* L.) i Norge. En orientering om dens biologi og bekjemping. (The cherry fruit-fly (*R. cerasi*) in Norway. A contribution to its biology and control.) *Meld. Stat. Plantevern*, Oslo, nr. 5. 1951, 35 p., 8 fig.

Avidov, Z., and Svirskey, A., (The appearance and control of the prune sawfly) (*Hoplocampa minuta*?) in 1950.) *Hassadeh (hebr.)* 31. 1951, 169–173.

Bellavite, F., (Peach worms (*Laspeyresia* or *Cydia* or *Grapholitha molesta* Busck.)) *Inform. Agric. (ital.)* 7. 1951, nr. 21, p. 5–6.

Besson, J., Le capnode du pêcher (*Capnodis tenebrionis*). *Tarn-et-Garonne Agric.* 14. 1951, 162–163.

Besson, J., et Joly, E., Essai d'une mise au point pratique des problèmes posés par la tordeuse orientale du pêcher (*Grapholitha molesta*). *Tarn-et-Garonne Agric.* 14. 1951, 102–103. — *Terre d'Oc* 33. 1951, 252–255.

Besson, J., and Joly, E., Essais toxicologiques effectués sur pêche en 1950 contre la tordeuse orientale du pêcher (*Laspeyresia* (i. e. *Grapholitha*) *molesta* Busck) à Toulouse. *Compt. rend. Acad. Agric. France* 37. 1951, 439–441.

Bobb, M. L., Cutting our losses caused by peach insects. *Maryland agric. Soc. — Maryl. Farm Bur. Rept.* 35 (1950). 1951, 144–150.

- Bobb, M. L.**, Field experiments or control of oriental fruit moth. [*Grapholitha molesta* on peach] J. econ. Ent. 44. 1951, 418—420, 1 fig.
- Bobb, M. L.**, Results of experimental tests on peach insects in Virginia during 1951. Cumberland-Shenandoah Fruit Workers' Conf. Proc. 27. 1951, 107—111.
- Bobb, M. L.**, Sprays for control of the Oriental fruit moth (*Grapholitha molesta*). Virginia J. Sci. 2 (n. ser.). 1951, 295 (Abstr.).
- Böhm, H.**, Die Kirschblütenmotte. Bundesanst. Pfl.-schutz Wien Flugbl. Nr. 71. 1951, 1 S.
- Chandler, S. C.**, Control of periodical cicada (*Magicalcicada septendecim*) in 1950. [on peach] Amer. Assoc. econ. Ent., North Centr. States Branch, Proc. 6. 1951, 29—30.
- Chitwood, G. B.**, **Specht, A. W.**, and **Havis, A. L.**, Reactions of peach seedlings to nematode infections. Phytopathology 41. 1951, 559.
- Clarke, R. W.**, **Robertson, C.**, **Jones, S. C.**, **Berry, D.**, **Drager, S.**, and **Ellertson, F. E.**, Cherry fruit fly (*Rhagoletis cingulata*) control. Oregon State hortic. Soc. Proc. 66. 1951, 111—115.
- Cochran, J. H.**, Tests with dusts against the plum curculio. [*Conotrachelus nenuphar*] J. econ. Ent. 44. 1951, 940—942. — Assoc. south. agric. Workers Proc. 48. 1951, 94 (Abstr.).
- Cosolo, A. G.**, (General considerations on the problem of control of the cherry fly (*Rhagoletis cerasi*) and results of tests conducted in Friuli.) Agric. Venezia (ital.) 5. 1951, 587—593.
- Cox, J. A.**, The plum curculio (*Conotrachelus nenuphar*) as a prune pest. Pennsylv. agric. Exp. Stat. Bull. 539. 1951, 22 p.
- Cox, J. A.**, Plum curculio control on prunes. [*Conotrachelus nenuphar*] J. econ. Ent. 44. 1951, 499—504.
- De Rosa, M.**, (Control of cherry worm (*Rhagoletis cerasi*.) Giorn. Agric. (ital.) 61. 1951, 227.
- Dever, D. A.**, and **Fluke, C. L.**, The cherry fruit worm (*Grapholitha packardii*) in Wisconsin. Amer. Assoc. econ. Ent., North Centr. States Branch, Proc. 6. 1951, 29.
- Dever, D. A.**, and **Fluke, C. L.**, In Door County there is another new insect pest (*Grapholitha packardii*) of cherries. Wisconsin Hortic. 42. 1951, 137—138.
- Dustan, G. G.**, **Putman, W. L.**, and **Boyce, H. R.**, Results of spraying for the control of the oriental fruit moth, *Grapholitha molesta* (Busck), in Ontario, 1946—1950. Ontario ent. Soc. Ann. Rept. 81 (1950). 1951, 50—72.
- Emrich, E.**, Ist die Vermadung von Kirschen zu verhindern? Obstbau 70. 1951, 91.
- Every, R. W.**, Cherry insect pests. West. Fruit Grower 5. 1951, nr. 4, p. 37.
- Fenili, G. A.**, Nuovo contributo alla conoscenza della biologia della mosca delle ciliege (*Rhagoletis cerasi* L.) ed ai mezzi di lotta contro di essa.) »Redia«, Giorn. Ent., Firenze, 36 (2. ser.). 1951, 267—275, 1 fig.
- Fjeldsdalen, J.**, Plommevepsen (*Hoplocampa minuta* Christ.). En orientering om biologi og bekjemping. (The plum sawfly, biology and control.) Meld. Stat. Plantevern, Oslo, nr. 7. 1951, 23 p.
- Frick, K. E.**, How to control cherry fruit fly (*Rhagoletis cingulata*). Better Fruit 45. 1951, nr. 10, p. 7—8, 30.
- Frick, K. E.**, Results of 1951 research bring major changes in cherry fruit fly (*Rhagoletis cingulata*) control program. Washington State hortic. Assoc. Proc. 47. 1951, 103—107.
- Gallay, R.**, et **Savary, A.**, La lutte contre le ver des cerises. [*Rhagoletis cerasi*] Rev. rom. Agric., Vitic., Arboric. 7. 1951, 76—79, 4 fig.
- Garman, P.**, The plum curculio (*Conotrachelus nenuphar*). Amer. Fruit Grower 71. 1951, nr. 2, p. 26—27, 38.
- Gast, A.**, und **Schmutz, F.**, Die Kirschenfliegenbekämpfung. Landfreund 30. 1951, Nr. 13.
- Gentner, L. G.**, DDT for peach tree borer (*Sanninoidea exitiosa*)? West. Fruit Grower 5. 1951, nr. 3, p. 21.
- Gerrard, J.**, Controlling red spider. [on peach] Gard. Chron. 130. 1951, 81.
- Giannotti, O.**, and **Lepage, H. S.**, (Preliminary note on the effect of some modern insecticides on two pests of peach, *Ceratitis capitata* and *Grapholitha molesta*.) [DDT, BHC] Biológico, São Paulo, 17. 1951, 166—168.
- Govi, G.**, Foruncolosi delle pesche. Inform. Fitopat., Bologna, nr. 8. 1951, 6, 1 fig.
- Govi, G.**, Osservazioni su di una »foruncolosi« delle pesche. Ann. Sperim. agr., Roma, n. ser. 5. 1951, 771—777, 7 fig.
- Graham, C.**, Control of curculio (*Conotrachelus nenuphar*) and insects causing cat-facing on peaches. Delaware State Board Agric. Bull. 40. 1951, nr. 5, p. 112—116.
- Graham, C.**, The control of peach insects with dilute and concentrated sprays. Cumberland-Shenandoah Fruit Workers' Conf. Proc. 27. 1951, 67—69.
- Green, H. B.**, Peach insect control experiments in Mississippi in 1949—1950. Assoc. South. Agric. Workers Proc. 48. 1951, 93 (Abstr.).

- Hamilton, D. W., Chandler, S. C., and Rings, R. W.,** Possible changes in the peach spray program with special reference to plum curculio (*Conotrachelus nenuphar*) control. Amer. Assoc. econ. Ent., North Centr. States Branch, Proc. 6. 1951, 25—29.
- Hough, W. S.,** Control of plum curculio on plums. J. econ. Ent. 44. 1951, 992—993.
- Hunt, C. R.,** The control of cherry insects. [Myzus cerasi, Caliroa cerasi, Rhagoletis fausta] Montana State Coll. Ext. Circ. M-229. 1951, 7 p.
- Hutson, R.,** Peach insects and their control for 1952. Michigan State hortic. Soc. ann. Rept. 81. 1951, 40—43.
- Jancke, O.,** Die Kirschblütenmotte. Gesunde Pflanzen 3. 1951, 130—131, 2 Abb.
- Koch, L. W., and Boyce, H. R.,** Nematodes, a factor in the re-establishment of peach trees in southwestern Ontario. Proc. canad. phytopath. Soc. nr. 19. 1951, 16—17 (Abstr.).
- Kotte, W.,** Können wir die Kirschenmade bekämpfen? Gesunde Pflanzen 3. 1951, 98—100, 1 Abb.
- Kratochvil, J.,** (An unknown pest of the terminal shoots of plum trees.) [Cecidomyiidae] Sborn. Klub Prirodovedecky 29. 1951, 63—67.
- Lempke, B. J.,** Strymonidia pruni L. in Holland. Entomologist 84. 1951, 21.
- Lima, A. D. F.,** («Scale» (*Pseudaulacaspis pentagona*), serious plague of peach trees.) Rev. Agron., Porto Alegre, 15. 1951, nr. 169—173, p. 16.
- Lima, A. D. F.,** («White scale», pest of peach trees.) [*Pseudaulacaspis pentagona*] Seleç. Agr. (portug.) 6. 1951, nr. 63, p. 67—68.
- McIntyre, C. B.,** What we should know about Wisconsin's No. 1 insect pest of 1950: the plum curculio (*Conotrachelus nenuphar*). Wisconsin Hortic. 42. 1951, 205—206.
- Marshall, G. E., and Kelso, V.,** The oriental fruit moth (*Grapholitha molesta*) takes a licking. Hoosier Hortic. 33. 1951, 6—9.
- Martelli, M.,** I trattamenti contro l'*Hoplocampa brevis* Klug (Hymenoptera Tenthredinidae) in rapporto al ciclo evolutivo dell'insetto. «Redia», Giorn. Ent., Firenze, 36 (2. ser.). 1951, 93—110, 3 fig.
- Martin, H.,** Observations et essais de lutte contre *Ceratitis capitata* Wied. en Provence, 1951. [pêche] Rev. Path. vég. Ent. agric. France 31. 1951, 52—62, 6 fig.
- Menzel, R.,** Auftreten und Bekämpfung der Kirschenfliege (*Rhagoletis cerasi* L.) in der Schweiz. Meded. Landb.hogeschool Gent. 16. 1951, 260—269.
- Moser, F.,** Der Nebelblaser im Dienste der Kirschenfliegenbekämpfung. Schweiz. Ztschr. Obst-, Weinbau 60. 1951, 74—76, 1 Abb.
- Müller, F. P.,** Die Pflaumensägewespe kommt! Kleingärtner u. Siedler 5. 1951, 53, 2 Abb.
- Phillips, J. H. H.,** An annotated list of Hemiptera inhabiting sour cherry orchards in the Niagara Peninsula, Ontario. Canad. Ent. 83. 1951, 194—195.
- Povolný, D.,** Tortrix (*Cnephasia* Curt.) nubilana Hbn. škůdcem meruňky na jižní moravě. [on apricot tree] Ent. Listy (Folia ent.), Brno, 14. 1951, 188—196, 2 fig., 2 tab.
- Rath, Die Kirschfliege** (*Rhagoletis cerasi*). Ill. Flora 74. 1951, 51—52.
- Richter, B.,** Zur Bekämpfung der Pflaumensägewespe. Pflanzenschutz, München, 3. 1951, 45—46, 1 Abb.
- Rings, R. W.,** Controls for plum curculio (*Conotrachelus nenuphar*). Ohio Farm, Home Res. 36. 1951, 25—26.
- Rings, R. W., and Gould, W. A.,** Effectiveness of new organic insecticides in controlling plum curculio infesting plums. [*Conotrachelus nenuphar*] J. econ. Ent. 44. 1951, 354—359, 1 fig.
- Rodriguez, J. G., and Armstrong, W. D.,** Peach tree borer (*Sanninoidea exitiosa*) control with sprays. Kentucky agric. Exp. Stat. Kentucky Fruit Notes 4. 1951, nr. 5, p. 4—6.
- Roehrich, A., et Roehrich, R.,** Les traitements contre la tordeuse orientale du pêcher (*Laspeyresia molesta* Busck). Phytoma, Paris, 4. 1951, nr. 24, p. 7—11, 7 fig.
- Rosella, E.,** Les fleurs de pêcheurs se sont desséchées; pourquoi? [contrôle des pous] Réveil Agric. 60. 1951, 165.
- Sheftel', I. M.,** (In regard to the biology of the peach moth (*Cerostoma persicella* F.) in Crimea.) Vsesoiuzn. Akad. Sel'skhoz. Nauk Dokl. 16. 1951, nr. 12, p. 26—29.
- Sherman III, F.,** The control of plum curculio (*Conotrachelus nenuphar*). Michigan State hortic. Soc. Ann. Rept. 81. 1951, 83—84.
- Sherman III, F.,** Parathion to kill fruit fly maggots in cherries. [*Rhagoletis* sp.] J. econ. Ent. 44. 1951, 809.
- Sherman III, F.,** A sensible program for the control of peach insects. Michigan State hortic. Soc. Ann. Rept. 80 (1950). 1951, 76—77.
- Shipman, H. J.,** The threat of the fruit fly to the cherry industry. [*Rhagoletis cingulata*] Washington State hortic. Assoc. Proc. 47. 1951, 57—59.
- Smith, E. H.,** Control of peach tree borer and lesser peach tree borer in New York. [*Sanninoidea exitiosa*, *Synanthedon pictipes*] J. econ. Ent. 44. 1951, 685—690, 4 fig.

- Smith, E. H.**, Peach tree borers (*Sanninoidea exitiosa*) — orchard enemies. *Rur. New-Yorker* 101. 1951, 394, 400.
- Smith, E. H.**, Research on control of insect pests of peaches. *New York State hort. Soc. Proc.* 96. 1951, 141—146.
- Snapp, O. I.**, Plum curculio control with new organic insecticides. [*Conotrachelus nenuphar*] *J. econ. Ent.* 44. 1951, 504—508.
- Snapp, O. I.**, Results of experiments at the U.S. Peach Insect Station, Fort Valley, Georgia, during 1951. *Tennessee State hort. Soc. Proc.* 46. 1951, 49—53.
- Soenen, A.**, Les hoplocampes du prunier. *Fruit belge* 19. 1951, 185—190.
- Summers, F. M.**, Tests of new materials to control peach twig borer on almonds and peaches. [*Anarsia lineatella*] *J. econ. Ent.* 44. 1951, 935—939.
- Tadić, M. D.**, (The Oriental fruit moth in Yugoslavia.) *Saschita Bilja* (Plant Prot.), Beograd, nr. 8. 1951, 50—54, 1 fig.
- Thiem, H.**, Über Erfahrungen zur Bekämpfung der Kirschfruchtfliege. *Mitt. Biol. Zentralanst. Berlin-Dahlem* H. 70. 1951, 118—121.
- Thiem, H.**, Wie ernte ich madenfreie Kirschen? *Biol. Bundesanst. Braunschweig Flugbl.* K 13. 1951, 8 S., 4 Abb.
- Tirelli, M.**, (New method for the control of the cherry fly, *Rhagoletis cerasi*, and the fruit fly, *Ceratitis capitata*.) *Riv. Fitosanit. (ital.)* 2. 1951, nr. 5, p. 9.
- Tunblad, B.**, (Look out for the cherry fruit fly (*Rhagoletis cerasi*)). *Sver. pomol. Fören. Fruktdlaren* 1951, 82—84.
- Turica, A.**, *Cydia* (*Laspeyresia*) (i.e. *Grapholitha*) *molesta* Busck. *IDIA* (Inform. Invest. agric., Argentina) 4. 1951, nr. 46, p. 23—31.
- Van den Bruel, W. E.**, et **Bernard, J.**, Note sur la nuisance de *Hoplocampa minuta* Christ. et de *Hoplocampa flava* L. en Belgique en 1949. *Parasitica* 7. 1951, 16—29, 1 tab. col., 1 tab. geogr.
- Vogel, W.**, Bekämpfung der Kirschenfliege. *Obst-rundschau* (Schweiz) 11. 1951, 17.
- Vogel, W.**, Richtlinien für die Kirschenfliegenbekämpfung im Jahre 1951. *Schweiz. Ztschr. Obst-, Weinbau* 60. 1951, 70—74.
- Vogel, W.**, Der Stand der Kirschenfliegenbekämpfung in der Schweiz. *Obstbau* 70. 1951, 179—180.
- Weber, G.**, Ein Beitrag zur Bekämpfung der Kirschfliege (*Rhagoletis cerasi*). *Anz. Schädl.kunde* 24. 1951, 69—70, 2 Abb.
- Weinland, H. A.**, Sonoma County prune growers battle four different species of mites. *Sunsweet Standard* 35. 1951, nr. 7, p. 12.
- Wylie, W. D.**, Insecticide tests against plum curculio. [on peaches] *J. econ. Ent.* 44. 1951, 665—668.
- Wylie, W. D.**, Technique in jarring for plum curculio. *J. econ. Ent.* 44. 1951, 818—819.
- Le carpocapse de l'abricot.** *Rev. rom. Agric., Vitic., Arboric.* 7. 1951, 40.
- Le carpocapse ou »ver des prunes«.** [*Laspeyresia funebrana*] *Rev. rom. Agric., Vitic., Arboric.* 7. 1951, 56.
- Deutsche Versuchsergebnisse zur Kirschfruchtfliegenbekämpfung.** *Obstbau* 70. 1951, 180.
- Les hoplocampes des prunes.** [*Hoplocampa minuta*, *H. flava*] *Rev. rom. Agric., Vitic., Arboric.* 7. 1951, 22.
- La tordeuse orientale du pêcher.** [*Laspeyresia molesta*] *Rev. rom. Agric., Vitic., Arboric.* 7. 1951, 47—48.

Virus

- Afanasiev, M. M.**, and **Morris, H. E.**, Virus diseases of sweet cherries in Montana in 1950. *Plant Dis. Repr.* 35. 1951, 191.
- Anthon, E. W.**, New insecticides, including systemic insecticides, for control of black cherry aphids. [*Myzus cerasi*] *J. econ. Ent.* 44. 1951, 1012.
- Anthon, E. W.**, and **Wolfe, H. R.**, Additional insect vectors of western X-disease. [peach] *Plant Dis. Repr.* 35. 1951, 345—346.
- Berkeley, G. H.**, Mild rugose mosaic of sweet cherry. *Proc. canad. phytopath. Soc.* nr. 18. 1951, 9—10 (Abstr.).
- Berkeley, G. H.**, Sour cherry yellows. In: *Virus diseases and other disorders with viruslike symptoms of stone fruits in North America*. U. S. Dept. Agric. agric. Handb. 10. 1951, 152—158.
- Berkeley, G. H.**, **Cation, D.**, **Hildebrand, E. M.**, **Keitt, G. W.**, and **Moore, J. D.**, Necrotic ring spot. [in sour cherry] U. S. Dept. Agric. agric. Handb. 10. 1951, 164—170.
- Blodgett, E.**, Can weed spray damage in a peach orchard be confused with virus disease? *Washington State hort. Assoc. Proc.* 47. 1951, 203.
- Blumer, S.**, Über das Bandmosaik an Zwetschgenbäumen. *Schweiz. Ztschr. Obst-, Weinbau* 60. 1951, 451—454, 2 Abb.
- Blumer, S.**, Die Viruserkrankung der Kirschbäume. *Obst-rundschau* (Schweiz) 11. 1951, 17.
- Bruer, H. L.**, **Shepard, C. E.**, and **Persons, T. D.**, Survey of phony incidence in wild *Prunus*. *Plant Dis. Repr.* 35. 1951, 186—188.

- Cain, J. C., and Parker, K. G., A preliminary report on the response of virus-infected Montmorency cherry trees to nitrogen fertilizer. *Phytopathology* 41. 1951, 661—664.
- Chamberlain, E. E., Atkinson, J. D., and Hunter, J. A., Plum-mosaic, a virus disease of plums, peaches and apricots in New Zealand. *New Zealand J. Sci., Techn. (A)* 33. 1951, nr. 2, p. 1—16, 7 fig.
- Cochran, L. C., Hutchins, L. M., Milbrath, J. A., Stout, G. L., and Zeller, S. M., Ring spot. [on peaches] *U.S. Dept. Agric. agric. Handb.* 10. 1951, 71—80.
- Cochran, L. C., and McClain, R. L., Breaking patterns produced on peach flowers by the ring-spot virus. *Phytopathology* 41. 1951, 936—937.
- Cochran, L. C., Weinberger, J. H., and Turner, W. F., Natural occurrence of the phony virus in wild chickasaw plums near peach orchards in Georgia. *Plant Dis. Repr.* 35. 1951, 181—182.
- Daines, R. H., and Soraci, F., The X disease of stone fruits now in New Jersey. *New Jersey State hortic. Soc. hortic. News* 32. 1951, 2321—2323, 2328—2329, 2338.
- Fink, H. C., Detection of necrotic ring spot virus and its occurrence and spread in sour cherry nurseries. *Iowa State Coll. J. Sci.* 25. 1951, 211—213 (Abstr. of Thesis).
- Foster, W. R., Lott, T. B., and Welsh, M. F., Little cherry. In: *Virus diseases and other disorders with viruslike symptoms of stone fruits in North America*. U. S. Dept. Agric. agric. Handb. 10. 1951, 126—129.
- Gilmer, R. M., Etiology and host range of X-disease of chokecherry. *Phytopathology* 41. 1951, 14.
- Hungerford, C. W., Report of stone fruit virus disease surveys. *Idaho State hortic. Soc. Trans.* 1951, 2—5.
- Kaloostian, G. H., Transmission of western X-disease virus from chokecherry to peach by *Colladonus geminatus* (Van D.). *Plant Dis. Repr.* 35. 1951, 347.
- Kaloostian, G. H., Transmission of western X-little cherry virus from sour and sweet cherry to peach by *Colladonus geminatus* (Van D.). *Plant Dis. Repr.* 35. 1951, 348.
- Kaloostian, G. H., Nielson, M. W., and Jones, L. S., Transmission of wilt and decline disease of cherries in Utah by the black cherry aphid. [*Myzus cerasi*] *Plant Dis. Repr.* 35. 1951, 349—350.
- KenKnight, G., The acid test for phony disease of peach. *Phytopathology* 41. 1951, 829—832.
- KenKnight, G., The acid test for phony disease of peach and its diagnostic value. *Phytopathology* 41. 1951, 20.
- KenKnight, G., Bruer, H. L., and Shepard, C. E., Occurrence of phony disease in wild plum thickets distant from peach orchards in Spartanburg County, South Carolina. *Plant Dis. Repr.* 35. 1951, 183—185.
- Kotte, W., Die Schmalblättrigkeit der Süßkirsche (Pfeffingerkrankheit) auch in Deutschland. *Phytopath. Ztschr.* 17. 1951, 468—471, 5 Abb.
- Lewis, F. H., The effect of ring spot and yellows on the yield of Montmorency cherry. *Phytopathology* 41. 1951, 24.
- Lindner, R. C., Weeks, T. E., and Kirkpatrick, H. C., Studies on a color test for stone fruit virus diseases. *Phytopathology* 41. 1951, 897—902, 1 fig.
- Lott, T. B., Western X-disease. In: *Virus diseases and other disorders with viruslike symptoms of stone fruits in North America*. U. S. Dept. Agric. agric. Handb. 10. 1951, 43—52.
- Mason, C. L., Peach rosette in Arkansas. *Plant Dis. Repr.* 35. 1951, 510.
- Milbrath, J. A., Separation of rusty mottle of cherry from a ring-spot-rusty mottle complex. *Science n. ser.* 113. 1951, 606—607.
- Moore, J. D., Relation of prune dwarf to sour-cherry yellows. *Phytopathology* 41. 1951, 27.
- Mulder, D., De Eckelrader virusziekte van zoete kersen. (The Eckelrade virus disease of sweet cherries.) *Meded. Dir. Tuinbouw, Wageningen*, 14. 1951, 217—228, 4 fig., 4 tab. col. (*Inst. plantenziektenkd. Onderz., Wageningen*, nr. 14).
- Nichols, C. W., Histological studies of cherry fruits and pedicels of Western-X little-cherry in Idaho. *Phytopathology* 41. 1951, 941—942.
- Nichols, C. W., and Nyland, G., Buckskin fruit symptoms on sweet cherry trees on mahaleb stock. [*Prunus mahaleb*] *Plant Dis. Repr.* 35. 1951, 32.
- Nikolić, V., (New virus diseases of stone fruits in Yugoslavia.) *Plant Prot., Beograd*, 1. 1951, nr. 3, p. 63—70, 4 fig.
- Nyland, G., Further observations on yellow leaf roll of peach. *Phytopathology* 41. 1951, 942.
- Nyland, G., and Schlocker, A., Yellow leaf roll of peach. *Plant Dis. Repr.* 35. 1951, 33.
- Parker, K. G., and Cochran, L. C., Similarities of symptoms produced by the viruses causing ring spot of peach and necrotic ring spot of sour and sweet cherry. *Phytopathology* 41. 1951, 942.
- Parker, K. G., and Palmiter, D. H., Survey for X-disease on peach and cherry in New York, including the first report on sweet cherry. *Plant Dis. Repr.* 35. 1951, 256—258.
- Pobegajlo, I., Šarka šljive, njena pojava u Bosni i Hercegovini i ogledi sa njenim suzbijanjem pomoću agrotehničkih mera. (»Šarka-virose« of plum (plum-pox), its appearance in Bosnia and Herzegovina and experiments on its elimination by way of agrotechnical measures.) *Godišnjak biol. Inst. Sarajeva (Jahrb. biol. Inst. Sarajevo)* 4. 1951, 29—40, 3 p.

- Posnette, A. F.**, Virus diseases of sweet cherries. East Mallings Res. Stat. Ann. Rept. 38 (1950). 1951, 209—210, 9 fig.
- Reeves, E. L.**, Stone fruit virus problems in the Northwest. Oregon State hortic. Soc. Proc. 66. 1951, 119—123.
- Richards, B. L.**, A program for control of virus diseases of stone fruits. Farm and Home Sci. (Utah Stat.) 12. 1951, p. 6—9, 12.
- Rui, D.**, (Peach pathology: leptonecrosis is spreading.) Agric. Polesine (ital.) 3. 1951, 65—66.
- Rui, D.**, and **Rostirolla, G.**, (Symptomatic confirmation and statistics on leptonecrosis of peach.) Agric. Venezia 5. 1951, 303—311.
- Scaramuzzi, G.**, La clorosi del pesco nella zona di Albenga saggiata col «teste di Roach» e similari. (Peach chlorosis in the Albenga region detected by Roach's test and similar methods.) Not. Mal. Piante nr. 15. 1951, 56—65.
- Scaramuzzi, G.**, La «rosetta a foglie saliciformi» del pesco: una nuova malattia da virus. (Willow leaf rosette of peach trees: a new virus disease.) Not. Mal. Piante nr. 15. 1951, 40—46. — Humus 7. 1951, nr. 7, p. 13—18.
- Schlocker, A.**, and **Nyland, G.**, Yellow leaf roll of peach. Calif. Dept. Agric. Bull. 40. 1951, nr. 2, p. 39—42, 2 tab. col.
- Simonds, A. O.**, Symptomless carriers of the apricot ring pox virus. J. Colorado-Wyoming Acad. Sci. 4. 1951, nr. 3, p. 61—62 (Abstr.).
- Simonds, A. O.**, Transmission of apricot ring pox to peaches and plums. Plant Dis. Repr. 35. 1951, 189—190.
- Stewart, N.**, Virus problems of cherries. Fruit-Grower nr. 2896. 1951, 1169.
- Stoll, K.**, Über die Symptome der Pfeffingerkrankheit der Kirschbäume. Phytopath. Ztschr. 18. 1951, 293—306, 7 Abb.
- Stout, G. L.**, Peach mosaic. Calif. Dept. Agric. Bull. 40. 1951, nr. 2, p. 43—45, 1 tab. col.
- Togliani, F.**, La clorosi «a dente die sega» delle foglie di pesco. (Saw-tooth chlorosis of peach leaves.) Riv. Ortoflorofruttic ital. 76 (35). 1951, 255—258, 2 fig.
- Vlasveld, J. P. N.**, (The Eckelrader virus disease of sweet cherries.) Fruitteelt (dutch) 41. 1951, 565.
- Welsh, M. F.**, and **Wilks, J. M.**, Induced modification of symptom severity in little cherry. Phytopathology 41. 1951, 136—138, 1 fig.
- Williams jr., H.**, and **Blodgett, E.**, What is the 1951 little cherry and Western-X survey situation? Washington State hortic. Assoc. Proc. 47. 1951, 201—202.
- Willison, R. S.**, and **Berkeley, G. H.**, An experiment in cross protection with some stone fruit viruses. Proc. canad. phytopath. Soc. nr. 19. 1951, 20 (Abstr.).
- Winter, H. F.**, Certified nursery stock aids in control of cherry yellows disease. Ohio Farm and Home Res. 36. 1951, 28—29.
- Wolfe, H. R.**, **Anthon, E. W.**, and **Jones, L. S.**, Insect transmission of Western X-disease of peaches. Science, Lancaster, 113. 1951, 558—559.
- Wolfe, H. R.**, **Anthon, E. W.**, **Kaloostian, G. H.**, and **Jones, L. S.**, Leafhopper transmission of Western X-disease. [on peach, transmitted by *Colladonus geminatus*] J. econ. Ent. 44. 1951, 616—619.
- Young jr., H. C.**, Indexing hosts for sour-cherry ring-spot and yellows. Phytopathology 41. 1951, 479—480.
- Phony peach disease control.** U.S. Dept. Agric., Bur. Ent., Plant Quar., Washington, 1951?, 1 p.
- Virus diseases and other disorders with viruslike symptoms of stone fruits in North America.** U.S. Dept. Agric. agric. Handb. 10. 1951, 276 p., fig., tab. col.

Kernobst

Pip fruits — Fruits à pépins

Allgemeiner Teil

General part — Partie générale

- Bazán de Segura, C.**, La enfermedad de los paltos de Chanchamayo. Cent. Nac. Invest., exp. Agric. La Molina, Lima, Bull. 42. 1951, 6 p.
- Böhm, H.**, Auch auf die Apfelernte kommt es an! Pflanzenarzt, Wien, 4. 1951, Nr. 9, S. 5—6.
- Burrell, A. B.**, New methods and machines for spraying apples. Pomol., Fruit Growing Soc. Prov. Quebec Ann. Rept. 57 (1950). 1951, 84—93.
- Cordy, C. B.**, **Gentner, L. G.**, and **Childs, L.**, Apple and pear pest control. Oregon State hortic. Soc. Proc. 66. 1951, 53—58.
- Davidson, J. H.**, A progress report on the use of concentrate sprays in apple orchards. Illinois State hortic. Soc. Trans. 84 (1950). 1951, 87—91.
- Ejsing, G.**, (Swiss experiments on doing away with biannual bearing of apples by spraying with α -naphthaleneacetic acid.) Gärtner-Tidende 67. 1951, 567—568.
- Fernand, Results of a year experiment in spraying and dusting at the Oka Agricultural Institute, summer 1950.** [on apples] Pomol., Fruit Growing Soc. Prov. Quebec Ann. Rept. 57 (1950). 1951, 49—53.
- Fritzsche, R.**, Weitere Mitteilung zu den Versuchen zur Behebung der abwechselnden Tragbarkeit bei Apfelbäumen mit Hilfe von Spritzmitteln. Schweiz. Ztschr. Obst-, Weinbau 60. 1951, 207—211, 4 Abb.

- Halleman, A.**, (With renewed courage for the task.) [diseases and pests of apples and pears] Cult. en Handel 17. 1951, 159—160.
- Ingerson, H. G.**, The status of concentrate spraying of apples. Amer. Assoc. econ. Ent., North Centr. States Branch, Proc. 6. 1951, 30—31.
- Johanson, F. D., Garman, P., and Stoddard, E. M.**, Apple spray guide, 1951. Connecticut Univ. Coll. Agric. agric. Ext. Serv., Storrs, 1951, 4 p.
- Johanson, F. D., Garman, P., and Stoddard, E.**, Pear spray guide, 1951. Connecticut Univ. Coll. Agric. agric. Ext. Serv. 1951, 3 p.
- Kearns, H. G. H.**, Apple and pear sprays and spraying. [DDT] Agriculture, J. Minist. Agric., London, 58. 1951, 18—22.
- Kearns, H. G. H.**, Recent research and development in sprays and spraying of apples and pears; DDT as a substitute for winter washing and the role of automatic spraying. Worcestershire agric. Chron. 19. 1951, 113, 115, 117, 119, 121.
- Krüßmann, G.**, Die Quitten. Anbau — Kultur — Verwendung. [Krankheiten] Dtsch. Gärtnerbörse 1951, 28 S., 5 Taf.
- Miles, H., and Miles, M.**, On apple scars and blemishes. New Biol. 10. 1951, 55—71.
- Mitchell, A. E., and Klingbeil, G.**, Are we getting coverage in apple orchards with concentrate sprays? Michigan State hortic. Soc. Ann. Rept. 80 (1950). 1951, 23—29.
- Parsons, H.**, Hardy fruit garden: pear and apple sab [Venturia]; apple capsid bug [Plesiocoris rugicollis]; cane spot [Elsinoë veneta]; black currant big bud [Eriophyes ribis]. Gard. Chron. 129. 1951, 95.
- Scheerer, J.**, Birnwildlinge sind krank. Dtsch. Baumsch. 3. 1951, 270.
- Shurtleff, M. C., Howard, F. L., and Kerr, T. W.**, Commercial apple spray program, 1951. Rhode Island State Coll. Ext. Mimeogr. Circ. 55 (rev.). 1951, 13 p.
- Simard, T.**, The spray guide for apple trees. Pomol., Fruit Growing Soc. Prov. Quebec Ann. Rept. 57 (1950). 1951, 35.
- Stapley, J. H.**, A new technique; low-volume spraying of top fruit. [apples] Fruit-Grower nr. 2919. 1951, 981—982, 2 fig.
- Suter, R. C.**, The cost of spraying apples in 1949. [insect and scab control] New York agric. Coll. Farm Econ. 178. 1951, 4633—4635.
- Suter, R. C.**, Efficiency in spraying apples during 1949. New York agric. Coll. Farm Econ. 179. 1951, 4658—4660.
- 1951 spraying recommendations for apples.** New Jersey agric. Coll. Ext. Spray Calendar 44. 1951, 12 p.
- Nichtparasitäre Krankheiten**
Diseases not caused by parasites
Maladies non parasitaires
- Barlow, H. W. B.**, Use of sprays to control fruit drop. VI. Rain and the control of pre-harvest drop in sunset apples. East Malling Res. Stat. Ann. Rept. 38 (1950). 1951, 108—110, 1 fig.
- Batjer, L. P., and Rogers, B. L.**, Evaluation of 2, 4, 5-trichlorophenoxypropionic acid for controlling the harvest drop of apples. Washington State hortic. Assoc. Proc. 47. 1951, 121—124.
- Batjer, L. P., and Uota, M.**, Effect of 2, 4, 5-trichlorophenoxypropionic acid sprays on fruit set of pears and apples. Proc. amer. Soc. hortic. Sci. 58. 1951, 33—36.
- Carlone, R.**, Effetto di sostanze di accrescimento sulla caduta prematura dei frutti in alcune varietà di melo e di pero. Primo contributo. (Effect of growth substances on the pre-harvest drop of apples and pears. First contribution.) Ann. Sperim. agr., Roma, n. ser. 5. 1951, 55—93, 10 fig.
- Childers, N. F.**, Early leaf drop on some apple trees last fall. New Jersey State hortic. Soc. hortic. News 32. 1951, 2335.
- Cinq-Mars, L.**, Effect of certain fungicides on the growth and yield of apple trees. Pomol., Fruit Growing Soc. Prov. Quebec Ann. Rept. 1951, 44—53.
- Delitala, A.**, Colpo di sole dui frutti di melo. Inform. Fitopat., Bologna, nr. 11. 1951, 6—8, 2 fig.
- De Wall, H.**, Nochmals: Vorzeitige Vergreisung der Obstbäume. [an Äpfeln] Mitt. Mitgl. Obstbauvers. ring Altes Land usw. 6. 1951, 58—59.
- Ejsg, G.**, (Boron deficiency in apple orchard.) Erhvervsfrugtavlere (dan.) 18. 1951, 27—31. — Gartner-Tidende 67. 1951, 539—541.
- Foschi, S.**, La »plastomania« del melo Gravenstein. Inform. Fitopat., Bologna, nr. 12. 1951, 7—8, 1 fig.
- Fritzsche, R., und Stoll, K.**, Einige Bemerkungen zur Korkkrankheit an Äpfeln. [Bormangel] Schweiz. Ztschr. Obst-, Weinbau 60. 1951, 3—7, 2 Abb.
- Glass, E. H.**, Parathion injury to apples. Nur. New-Yorker 101. 1951, 218—219.
- Goidanich, G., e Mezzetti, A.**, La »plara« delle mele. [bitter pit] Ital. agric. 88. 1951, 46—48, 2 fig.
- Govi, G.**, Una maculatura non parassitaria delle foglie di melo. Inform. Fitopat., Bologna, nr. 7. 1951, 7—8, 2 fig.
- Govi, G.**, Una vaiolatura di natura non parassitaria delle foglie di melo. Riv. Fruttic. 13. 1951, 195—199, 5 fig.
- Groves, A. B.**, Apple fruit finish in 1950. [injuries to skin] Mountaineer Grower 21. 1951, nr. 185, p. 22—23, 26.

- Harley, C. P.**, Studies on the effect of 2, 4, 5-T and 2, 4, 5-TP sprays on maturation and drop reduction of apples. Maryland agric. Soc.-Maryland Farm Bur. Rept. 35 (1950). 1951, 124—126.
- Harris, W. B.**, Pre-harvest drop of pears. J. South Austr. Dept. Agric. 54. 1951, 593—595.
- Herr, F.**, Vorzeitige Vergreisung unserer Apfelbuschanlagen. Mitt. Mitgl. Obstbauvers.ring Altes Land usw. 6. 1951, 3—5.
- Hitz, C. W.**, Influence of soil management practices upon cracking of Early Red Stayman apples. Cumberland-Shenandoah Fruit Workers' Conf. Proc. 27. 1951, 201—207.
- Hoffmann, M. B.**, and **Edgerton, L. J.**, Apple drop control and color stimulation result from promising new harvest spray. [Color set 1004] Amer. Fruit Grower 71. 1951, nr. 6, p. 14, 26—27.
- Jørgensen, S. J.**, (Zinc deficiency of pears.) Erhvervsfrugtavlere 18. 1951, 12—13.
- Kessler, H.**, Eine ungewöhnliche Fleckenbildung auf Glockenäpfeln. [Spritzmittelschäden] Schweiz. Ztschr. Obst-, Weinbau 60. 1951, 259—261, 2 Abb.
- Kimura, J.**, (Spray schedule showing stages of fruit and bud development.) [apples] Aomori hort. Exp. Stat., Aomori-Ken 1951.
- Luchetti, G.**, e **Maccanti, M.**, Ancora sui sistemi e mezzi di lotta contro la ticchiolatura del melo nel Ferrarese. Ann. Univ. Ferrara (Sez. IV, Bot.) 1. 1951, 1—10.
- Mattus, G. E.**, **Moore, R. C.**, and **Horsfall jr., F.**, Preliminary pre-harvest spray tests with TCPA (2, 4, 5-TP) and maleic hydrazide-30 on apples. Cumberland-Shenandoah Fruit Workers' Conf. Proc. 27. 1951, 129—135.
- Mezzetti, A.**, La »butteratura amara« o »ticchiolatura interna non parassitaria« o »bitter pit« delle mele. Inform. Fitopat., Bologna, nr. 10. 1951, 4—5, 1 fig.
- Mezzetti, A.**, La »plara« delle mele. Inform. Fitopat., Bologna, nr. 10. 1951, 5—6, 1 fig.
- Modlibowska, I.**, The effect of certain growth-promoting substances upon frost-damaged apple flowers. East Malling Res. Stat. Ann. Rept. 38 (1950). 1951, 65—70.
- Mulder, D.**, Problemen rond het stip in appels. Meded. Dir. Tuinbouw 14. 1951, 731—738.
- Mulder, D.**, Stip in appels als cultuurverschijnsel. (Bitter pit in apples as a cultural phenomenon.) Meded. Dir. Tuinbouw, Wageningen, 14. 1951, nr. 1, p. 26—27, 2 fig.
- Murneck, A. E.**, Too many bruised apples. Missouri (State hort. Soc.) hort. News 1951, 2—3.
- Parsons, H.**, Pre-harvest-drop spray. [on apple] Gard. Chron. 130. 1951, 41.
- Poignant, P.**, Au sujet de confusions entre les symptômes du »bitter pit« et des dégâts d'insectes. Phytoma, Paris, 4. 1951, nr. 22, p. 25—26, 1 fig.
- Preston, A. P.**, **Moore, M. H.**, and **Bennett, M.**, The influence of rootstock on spray damage in apple. East Malling Res. Stat. Ann. Rept. 38 (1950). 1951, 132—136.
- Rakitin, J. W.**, und **Kritskaja, L. M.**, (Verhinderung der Knospenöffnung bei Obstbäumen mit Hilfe chemischer Präparate.) (Ber. Akad. Wiss. USSR.) n. ser. 76. 1951, 295—297.
- Shibukawa, J.**, (Soil erosion of the sloping apple orchards and its control in Aomori.) Aomori hort. Exp. Stat., Aomori-Ken, 1951, 36 p.
- Stoy, O.**, (Furrowed branches and gummosis of apple trees.) Sver. pomol. Fören. Frukodlaren 4. 1951, 112—113.
- Sturiale, F.**, Effetti dell'acido β -naftossiacetico sulla partenocarpia del pomodoro. Humus 7. 1951, nr. 9, p. 19—22.
- Taylor, G. G.**, Spray injury from use of lead arsenate on apple trees. New Zealand J. Sci., Techn. (A) 32. 1951, nr. 6, p. 39—48, 2 fig.
- Thompson, A. H.**, The effect of 2, 4, 5-trichlorophenoxypropionic acid sprays in delaying the preharvest drop of several apple varieties. Proc. amer. Soc. hort. Sci. 58. 1951, 57—64.
- Thompson, A. H.**, Further studies with 2, 4, 5-TP sprays for delaying the preharvest drop of apples. Cumberland-Shenandoah Fruit Workers' Conf. Proc. 27. 1951, 137—141.
- Vyvyan, M. C.**, and **Trowell, G. F.**, Use of sprays to control fruit drop. VII. Effect of season and date of spraying on control of June drop in Cox' Orange Pippin. East Malling Res. Stat. Ann. Rept. 38 (1950). 1951, 111—115.
- Wade, G. C.**, Manganese deficiency of apples. [Tasmania] Fruit World, Mkt. Grower 52. 1951, 30.
- Watson, J.**, Mineral and nitrogen status of Dougherty apple leaves and fruit under different fertilizer treatments. [potash-deficiencies] New Zealand J. Sci., Techn. (A) 33. 1951, nr. 4, p. 66—70.
- Weeks, W. D.**, Magnesium deficiency of apple in Massachusetts. New Jersey State hort. Soc. hort. News 32. 1951, 2434.
- Weissenborn, K.**, Ein neuer Apfelschaden. [Stilett-schaden] Mitt. Mitgl. Obstbauvers.ring Altes Land usw. 6. 1951, 159—161, 3 Abb.
- Zhavoronkov, P. A.**, (New cold resistant apple varieties in the Ural area.) Sad i Ogorod (Orchard and Garden) nr. 6. 1951, 11—14.

Pflanzliche Feinde

Vegetal parasites — Parasites végétaux

- Andes, J. O.**, Apple rots in Tennessee — some late observations. Tennessee State hort. Soc. Proc. 46. 1951, 17—19.
- Blumer, S.**, Das Auftreten des Apfelmehltaus und seine Bekämpfung im Jahre 1951. Schweiz. Ztschr. Obst-, Weinbau 60. 1951, 501—505, 1 Abb.
- Bremer, H.**, Zur Epidemiologie des Gitterrostes an den Birnbäumen in der Türkei. [Gymnosporangium sabinae] Sydowia 5. 1951, nr. 1—2, p. 13—22.
- Byrde, R. J. W.**, The effect of age of wound and of weather on the susceptibility of apple injuries to infection by the brown rot fungus. [Sclerotinia fructigena] Ann. Rept. agric. hort. Res. Stat., Long Ashton (Bristol), 1951, 128—131, 1 fig.
- Byrde, R. J. W., Crowdy, S. H., and Roach, F. A.**, The role of eradicant sprays in the control of apple canker. [Nectria galligena] Ann. Rept. agric. hort. Res. Stat., Long Ashton (Bristol), 1951, 134—137.
- Canova, A.**, Cascola parassitaria delle gemme di melo. [Fusarium] Inform. Fitopat., Bologna, nr. 8. 1951, 1—3, 3 fig.
- Canova, A.**, Il marciume delle pere da Fusarium. [F. avenaceum] Inform. Fitopat., Bologna, nr. 10. 1951, 7—8, 1 fig.
- Carpenter, T. R.**, The elimination of fireblight-susceptible individuals in interspecific crosses of pear. Phytopathology 41. 1951, 6.
- Charles, J.**, Le chancre du pommier; les polypores des arbres fruitiers. Rustica 24. 1951, 1186.
- Clayton, C. N.**, Botrytis leaf spot of apple in North Carolina. Plant Dis. Repr. 35. 1951, 237, 1 fig.
- Clayton, C. N., and Fulkerson, J. F.**, Relation of fungicidal spray treatment to control of bitter rot and black rot of Golden Delicious and Stayman apples and to cracking of Stayman apples, Cumberland-Shenandoah Fruit Workers' Conf. Proc. 27. 1951, 33.
- Crosse, J. E., and Bennett, M.**, Black rot and leaf spot of apple due to Physalospora obtusa (Schw.) Cooke. East Malling Res. Stat. Ann. Rept. 1950 (38). 1951, 137—138.
- Croxall, H. E., Collingwood, C. A., and Jenkins, J. E. E.**, Observations on brown rot (Sclerotinia fructigena) of apples in relation to injury caused by earwigs (Forficula auricularia). Ann. appl. Biol. 38. 1951, 833—843, 6 fig., 1 tab.
- Darpoux, H.**, Les chancres des arbres fruitiers. I. Le chancre européen du pommier. II. Le chancre du châtaignier. [Nectria galligena, Endothia parasitica] Déf. Vég., Paris, 1951, nr. 6, p. 3—15, 5 fig.
- Darpoux, H., et Faivre-Amiot, A.**, Action curative de quelques substances antibiotiques et d'un produit organo-mercurique sur la tavelure du pommier. Compt. rend. Acad. Agric. France 37. 1951, 136—139.
- Di Caro, S.**, Disseccamento dei germogli di melo da Monilia. Inform. Fitopat., Bologna, nr. 14. 1951, 5—7, 1 fig.
- Dunegan, J. C., and Heuberger, J. W.**, Apple black rot (Physalospora obtusa). Delaware State Board Agric. Bull. 40. 1951, nr. 5, p. 128—130.
- Ejsing, G.**, (Calcium arsenate against grey Monilia (Sclerotinia laxa forma mali).) [on apples] Gartner-Tidende 67. 1951, 178—179.
- Fink, H. C., and Clayton, C. N.**, Apple fungicidal spray experiment — 1951, H. Pace's orchard, Dana, N. C., Delicious variety, P. Lowe's orchard, Pores Knob, N. C. Cumberland-Shenandoah Fruit Workers' Conf. Proc. 27. 1951, 23—27, 31.
- Fink, H. C., and Clayton, C. N.**, Relation of fungicidal spray treatment to control of black rot, bitter rot and russet of Golden Delicious apples in R. Barber's orchard, Waynesville, N. C., 1951. Cumberland-Shenandoah Fruit Workers' Conf. Proc. 27. 1951, 29.
- Fulkerson, J. F., and Clayton, C. N.**, Relative effectiveness of Orthocide 406 and Flotation sulfur-Bordeaux mixture in control of bitter rot and black rot of apples of 5 different varieties in 1951. Cumberland-Shenandoah Fruit Workers' Conf. Proc. 27. 1951, 35.
- Gabotto, L.**, La ruggine del pero. [Gymnosporangium sabinae] Cultiv., Giorn. vinic. ital. 97. 1951, 82—83.
- Gagnotto, A.-V.**, Osservazioni su un cancro dei rami di pero. (Observations on a canker of pear branches.) [Cylindrocarpum mali] Ann. Sperim. agr., Roma, n. ser. 5. 1951, 489—497, 5 fig. — Boll. Staz. Pat. veg., Roma, 9 (3. ser.). 1951, 3—11.
- Gaudineau, M.**, L'oidium du pommier. Persistence et essais de lutte. [Podosphaera leucotricha] Compt. rend. Congr. pomol. Metz 82. 1951, 69—73.
- Gentilucci, T.**, Il Coryneum follicolum Fuck. Quale agente di «marciume del cuore» delle mele in Italia. (Coryneum follicolum Fuck. as a cause of heart-rot of apples in Italy.) Ann. Sperim. agr., Roma, n. ser. 5. 1951, 1295—1308, 10 fig.
- Gjaerum, H. B.**, (Sooty blotch (Glodes pomigena) and fly speck (Leptothyrium pomi) on apple.) Gartner-yrket (norw.) 41. 1951, 74—75.
- Goidanich, G.**, Il mal bianco del melo. [Oidium farinosum] Inform. Fitopat., Bologna, nr. 7. 1951, 1—4, 6 fig.
- Govi, G.**, Un cancro rugoso del pero causato da Phomopsis mali Rob. (Wrinkled canker on pear tree caused by Phomopsis mali Rob.) Ann. Sperim. agr., Roma, n. ser. 5. 1951, 791—803, 10 fig.

- Hårdh, H. J. E.**, Keltamuumiotaudin tarttuvaisuudesta sekä sen ehkäisemisestä paration-valmisteilla. (The pathogenicity of brown rot and its control by a parathion preparation.) Maataloust. Aikakausk. 23. 1951, 79—87, 2 fig.
- Hewetson, F. N.**, New herbicides for controlling poison ivy in apple orchards. Proc. amer. Soc. hort. Sci. 58. 1951, 125—130. — Pennsylv. agric. Exp. Stat. Progr. Rept. 61. 1951, 6 p.
- Hiroe, I.**, (Phytopathological studies on black spot disease of Japanese pears. III.) Tottori Soc. agric. Sci. Trans. 9. 1951, 87—93.
- Hochapfel, H.**, Neues zur Bekämpfung des Apfelmehltaues. Bad. Obst- u. Gartenbauer 4. 1951, 42.
- Hutton, K. E.**, Black spot of apple and pear. New South Wales Dept. Agric. Plant Dis. Leaf. 9. 1951, 8 p.
- Jauch, C.**, Antracnosis del peral y del manzano. (Anthrachnose of pear and apple trees.) [Elsinoë piri] Alm. Minist. Agric. Nación, Buenos Aires, 1951—52. 1951, 384, 2 fig.
- Kienholz, J. R.**, The bull's-eye rot (Neofabraea spp.) problem of apples and pears. Washington State hort. Assoc. Proc. 47. 1951, 239—242. — Oregon State hort. Soc. Proc. 55. 1951, 75—77.
- Lamb, J. G. D.**, The apple in Ireland; its history and varieties. [fungi] Econ. Proc. R. Dublin Soc. 4. 1951, nr. 1, p. 1—63, 3 fig., 13 tab.
- Lepori, L., e Refatti, E.**, Osservazioni sullo svernamento simultaneo del Fusicladium dendriticum (Wallr.) Fuk. e dell'Oidium farinosum Cooke su selvatici di melo (Malus sylvestris Mill.) in vivaio. Not. Mal. Pianta nr. 15. 1951, 86—97.
- McKenzie, D. W.**, Black end of pears in New Zealand. Orchardist New Zealand 24. 1951, nr. 7, p. 4—5.
- Marsh, R. W.**, The spread of Armillaria mellea in apple orchards. Ann. Rept. agric. hort. Res. Stat., Long Ashton (Bristol), 1951, 116—121, 2 fig.
- Miller, J. H.**, Apple root rot in Georgia. [Xylaria polymorpha] Plant Dis. Repr. 35. 1951, 465.
- Moore, M. H.**, Brown rot of apples: Note on infection associated with hail bruises and lenticels. [Monilia fructigena] East Malling Res. Stat. Ann. Rept. 38 (1950). 1951, 131, 5 fig.
- Müller, E.**, Die Weißfleckenkrankheit der Birnbäume. [Mycosphaerella sentina] Schweiz. Ztschr. Obst- u. Weinbau 60. 1951, 163—166, 2 Abb.
- Müller, F. P.**, Wie bekämpft man den Apfelmehltau? Kleingärtner u. Siedler 5. 1951, 164.
- Murphy, D. R.**, Effects of several fungicides on disease control and finish of apples. J. New Hampshire hort. Soc. 14. 1951, 21—24.
- Orsenigo, M.**, Sintomatologia e epidemiologia in un caso di parassitismo di Nectria galligena su piante di pero. (Symptomatology and epidemiology of Nectria galligena on pear tree.) Not. Mal. Pianta nr. 15. 1951, 66—67.
- Palmiter, D. H.**, A blossom end rot of apples in New York caused by Botrytis. [Botrytis cinerea] Plant Dis. Repr. 35. 1951, 435—436, 2 fig.
- Palmiter, D. H., and Smock, R. M.**, Preliminary report on fungicides in relation to apple yield and quality. Phytopathology 41. 1951, 659.
- Pestinskaja, T. W.**, (Biologische Besonderheiten der Art Sphaeropsis malorum Berk.) (Arb. allruss. Inst. Pflschutz, Moskau-Leningrad), 3. Liefg. 1951, 213—221.
- Pettinari, C.**, Una macchiettatura delle mele. (An apple spotting.) [Pleospora alternariae] Ann. Sperim. agr., Roma, n. ser. 5. 1951, 559—569, 2 tab. — Boll. Staz. Pat. veg., Roma, 9 (3. ser.). 1951, 19—29.
- Poulos, P. L., and Heuberger, J. W.**, Apple fungicide test, Black Stayman variety, College Farm, Newark, Delaware, 1951. Cumberland-Shenandoah Fruit Workers' Conf. Proc. 27. 1951, 11.
- Powell, D.**, Apple fungicide tests, Urbana, 1951. Illinois State hort. Soc. Trans. 85. 1951, 284.
- Ramsfjell, T.**, Soppsjukdomar på eplefrukt. (Fungal diseases of apple fruit.) Frukt og Baer 4. 1951, 79—94, 15 fig.
- Sharvelle, E. G.**, Summer rots of apples. Indiana hort. Soc. Trans. 89 (1949). 1951, 29—31.
- Sherengovyi, P. Z.**, (In regard to the biology of the black canker organism of fruit trees (apples and pears).) [Sphaeropsis malorum] Umanskii Sel'skhoz. Inst. Sborn. Studencheskikh Nauch.-Issled. Rabot 1. 1951, 45—49.
- Smith, F. O., and Buchholtz, W. F.**, Evaluation of apple fungicides for Iowa. Phytopathology 41. 1951, 32.
- Smith, H. C.**, Collar-rot of apples and gooseberries. [Phytophthora cactorum] Orchardist N. Zealand 23 (1950). 1951, 13—14, 4 fig.
- Sprague, R.**, Blossom sprays and dusts to curb fire blight. [Erwinia amylovorus on pears] Washington State hort. Assoc. Proc. 47. 1951, 142—143.
- Sprague, R.**, The control of mildew. [on apples and pears] Oregon State hort. Soc. Proc. 66. 1951, 73—74.
- Thiem, Der Mehltaupilz (Sphaerotheca Castagnei) an Apfelbäumen.** Obstbau 70. 1951, 73, 1 Abb.
- Thurston jr., H. W.**, New fungicides for apples. Pennsylv. State hort. Assoc. Proc. 92. 1951, 38—40, 42—43.

- Thurston jr., H. W.**, Organic fungicides on apples in 1950. *Phytopathology* 41. 1951, 660.
- Togliani, F.**, La «sfogliatura» del melo. [*Peyronellaea glomerata*?]. *Inform. Fitopat.*, Bologna, nr. 12. 1951, 5—6, 2 fig.
- Viennot-Bourgin, G.**, et **Messiaen, J. M.**, Étude morphologique et biologique du chancre à *Diaporthe* du pommier et du poirier en France. *Ann. Inst. Nat. Agron.* 38. 1951, 5—49.
- Wilkinson, E. H.**, Little known about dry eye rot (*Botrytis cinerea*) of apples. *Fruit Grower* nr. 2911. 1951, 609—610.
- Wilson, E. E.**, Effect of isopropanol, as a constituent of a glyoxalidine fungicide, on the ripening of Bartlett pears after harvest. [*Erwinia amylovora*] *Plant Dis. Repr.* 35. 1951, 38.
- Woodhead, C. E.**, Ripe-spot (*Neofabraea malicorticis*) of apples. *Orchardist New Zealand* 23 (1950). 1951, nr. 11, p. 7, 9.
- Zobrist, L.**, 10 ans d'essais de lutte contre l'oïdium (*Podosphaera leucotricha*) du pommier. *Congr. Pomol. France Sess.* 82. 1951, 75—84.
- Zwintzsch, M.**, Der Einfluß der Unterlage E. M. IX auf den Mehltaubefall von Apfelsorten. *Obstbau* 70. 1951, 134—135, 2 Abb.
- Venturia (Fusicladium)**
- Bardia Bardia, R.**, El moteado del manzano y de las peras. [*Venturia inaequalis*, *V. pirina*] *Cult. Mod.* 34. 1951, 46—47.
- Bear, E. M.**, Apple scab lost us most money. *Grower*, London, 36. 1951, 1343, 1345.
- Bergsma, J.**, (Control of scab before flowering.) [apples and pears] *Volkstuin* 34. 1951, 28—29.
- Boone, D. M.**, Linkage groups in *Venturia inaequalis*. *Phytopathology* 41. 1951, 4.
- Burrell, A. B.**, How we fight apple scab in New York. *Virginia Fruit* 39. 1951, nr. 2, p. 29—40.
- Bush, R.**, The control of scab. [on apples and pears] *Countryman*, Burford, 44. 1951, 313—315.
- Byrde, R. J. W.**, and **Marsh, R. W.**, Spraying experiments against apple and pear scab at Long Ashton, 1951. [*Venturia inaequalis*, *V. pirina*] *Ann. Rept. agric. hort. Res. Stat.*, Long Ashton (Bristol), 1951, 122—128.
- Carrera, C. J. M.**, Sarna del manzano. *Charla Rur.* 151. 1951, 30—31.
- Chamberlain, G. C.**, Results of fungicidal trials for scab control in Ontario. *Proc. canad. phytopath. Soc.* nr. 18. 1951, 10—11 (Abstr.).
- Cinq-Mars, L.**, Results of spraying experiments at Rougemont, Que., in 1950. [apple scab] *Pomol., Fruit Growing Soc. Prov. Quebec Ann. Rept.* 57 (1950). 1951, 39—49.
- Cohen, S. I.**, Effectiveness of three phenyl mercury formulations for the control of apple scab. *Phytopathology* 41. 1951, 657.
- Coulson, J. G.**, Life cycle of the apple scab fungus. *Pomol., Fruit Growing Soc. Prov. Quebec Ann. Rept.* 57 (1950). 1951, 126—129.
- Dunegan, J. C.**, Control of scab fungus on the delicious apple. *Virginia Fruit* 39. 1951, nr. 8, p. 10, 12, 14.
- Fich, C.**, (Where does scab come from?) [on apples] *Gartner-Tidende* 67. 1951, 335.
- Goidanich, G.**, (Observations on control of scab.) *Agric. Ferrarese* 55. 1951, 36—40.
- Goidanich, G.**, (Scab and sprays to eradicate it.) *Humus [ital.]* 7. 1951, nr. 12, p. 8—9.
- Grewe, F.**, Zur Frage der Bekämpfung des Apfelschorfs (*Venturia inaequalis* Ad.) auf der Grundlage eines Wardienstes. *Höfchen-Briefe, Leverkusen*, 4. 1951, 216—224, 3 Abb.
- Hamilton, J. M.**, and **Palmiter, D. H.**, Orchard tests for apple scab control in New York State. I. Sulfur fungicides. *New York (State) agric. Exp. Stat. Bull.* 747. 1951, 63 p., 1 fig.
- Harris, M. R.**, Apple scab. *Western Fruit Grower* 5. 1951, nr. 8, p. 25—26.
- Harris, M. R.**, and **Sprague, R.**, Apple scab control. *Washington State hort. Assoc. Proc.* 47. 1951, 83—85.
- Harris, W. B.**, Black spot of pears. Progress report — 1949—1951 seasons. [*Venturia pirina*] *J. Dept. Agric. South-Austr.* 54. 1951, 582—585.
- Harris, W. B.**, Black spot (*Venturia pirina*) of pears. *Grower, Adelaide*, 6. 1951, nr. 6, p. 14—18.
- Hilborn, M. T.**, and **Lathrop, F. H.**, Organic fungicides in the control of apple scab and European red mite. *Phytopathology* 41. 1951, 52—55.
- Hinselmann, M.**, Beobachtung der Entwicklung der Sporenbehälter (Perithezien) im alten Apfelblatt und das Ausschleudern der Wintersporen des Fusicladiumpilzes. *Mitt. Mitgl. Obstbauvers. ring Altes Land usw.* 6. 1951, 66—69, 4 Abb.
- Kienholz, J. R.**, and **Childs, L.**, Pear scab and its control in Oregon. *Oregon agric. Exp. Stat. Circ. Inform.* 495. 1951, 9 p.
- Kienholz, J. R.**, and **Childs, L.**, Pear scab in Oregon. [*Venturia pirina*] *Oregon agric. Exp. Stat. Techn. Bull.* nr. 21. 1951, 31 p., 11 fig.
- Klindić, O.**, da **Milatović, I.**, Krastavost japanske mušmule. (Scab of Japanese medlar.) [*Fusicladium dendriticum* var. *eriobotryae*] *Saschita Bilja (Plant Prot.)*, Beograd, nr. 5. 1951, 39—43, 3 fig.

- Klingbeil, G. C., and Mitchell, A. E.**, Evaluation of concentrate spray coverage on large apple trees by means of leaf prints. [*Venturia inaequalis*] Michigan agric. Exp. Stat. Quart. Bull. 33. 1951, 302—309, 2 fig.
- Loewel, E. L.**, Moderne Schorfbekämpfung bei Äpfeln und Birnen. Umschau 51. 1951, 591—592, 3 Abb.
- Louw, A. J.**, Studies of the influence of environmental factors on the overwintering and epiphytology of apple scab (*Venturia inaequalis* (Cke.) Wint.) in the winterrainfall area of the Cape Province. South Afr. Dept. Agric. Sci. Bull. nr. 310. 1951, 48 p., 8 fig., 2 tab.
- McCrory, S. A., and Shay, J. R.**, Apple scab resistance survey of South Dakota apple varieties and breeding stocks. Plant Dis. Reprtr. 35. 1951, 433—434.
- Marsh, R. W.**, Some possible alternatives to lime-sulphur in apple scab control. Agriculture, J. Minist. Agric., London, 58. 1951, 22—24.
- Mirić, M.**, (A trial to establish a foresight timing service for apple scab spray.) Saschtita Bilja (Plant Prot.), Beograd, agr. 5. 1951, 54—66, 3 tab., 1 tab. geogr.
- Moore, M. H.**, Apple scab. Fruit-Grower 1951, 892. — Grower 35. 1951, 1055. — Gard. Chron. 129. 1951, 161—162. — J. Kent F. U. 69. 1951, 94.
- Olsson, K.**, En effektivare bekämpningstaktik mot äppelskorven? Växtskyddsnotiser, Stockholm, 15. 1951, 62—64, 2 fig.
- Palmiter, D. H.**, Fungicides for apple scab and their effects on yield and quality of fruit. New York State hortic. Soc. Proc. 96. 1951, 271—274.
- Panjan, M.**, (Determination of time for spraying against the apple scab (*Fusicladium*.) Plant Prot., Beograd, 1. 1951, nr. 3, p. 31—40, 1 fig.
- Pasqui, G., y Ricci, P.**, Ricerche su la possibilità e la convenienza dell'istituzione di stazioni d'avviso contro la ticchiolatura del melo (*Venturia inaequalis*) in Romagna. (Studies on the possibility and the advantages of instituting warning stations against apple scab (*Venturia inaequalis*) in Romagna.) Ann. Sperim. agr., Roma, n. ser. 5. 1951, 1309—1321, 1 fig.
- Poulos, P. L., and Heuberger, J. W.**, Apple scab fungicide test, Rome variety, W. Dover, Delaware, 1951. Cumberland-Shenandoah Fruit Workers' Conf. Proc. 27. 1951, 9.
- Poulos, P. L., and Heuberger, J. W.**, New developments in apple scab control. Delaware State Board Agric. Bul. 40. 1951, nr. 5, p. 123—127.
- Quanjer, H. M.**, Een historisch gegeven over appelschurft. Tijdschr. Plantenziekten 57. 1951, 65, 2 fig.
- Ross, R. G.**, Experiments with crag fungicides for the control of apple scab. Nova Scotia Fruit Grower's Assoc. Ann. Rept. 88. 1951, 143—146.
- Shay, J. R.**, Scab resistant apples. Trans. Indiana hortic. Soc. 89 (1949). 1951, 32.
- Shay, J. R., and Hough, L. F.**, Variation in pathogenicity of *Venturia inaequalis* to scab-resistant *Malus*. Phytopathology 41. 1951, 32.
- Siebs, E.**, Über die Schorfanfälligkeit von Birnen und die Aussichten auf ihre Resistenzzüchtung. Phytopath. Ztschr. 18. 1951, 270—286, 8 Abb.
- Spit, J. M., en De Jonge, C.**, De bestrijding van schurft. (The control of scab.) Meded. Dir. Tuinbouw, Wageningen, 14. 1951, 151—156, 1 fig.
- Stanton, W. R.**, The use of thin polythene sleeving for moist chambers in inoculation studies. [*Venturia pirina* Aderh.] Phytopathology 41. 1951, 476—477, 1 fig.
- Tihonov, N. N.**, Laletino, a valuable Reinette variety. [resistance to scab] Sad i Ogorod (Orchard and Garden) 1951, nr. 6, p. 71—72.
- Vlasveld, W. P. N.**, Het schurftonderzoek in de jaren 1947 en 1948 en de waarnemingen in 1949. [*Venturia inaequalis*, *V. pirina*] Tijdschr. Plantenziekten 57. 1951, 15—32, 4 fig.
- Wade, G. C.**, Black spot of apples. Results of investigations in 1949—1950 and 1950—1951 seasons. Tasmanian J. Agric. 22. 1951, 293—303, 3 fig.
- Wenzl, H.**, u. a., Ergebnisse von Apfelschorfversuchen 1948—1950. Pflanzenschutzberichte, Wien, 7. 1951, 16—22.
- Lutte contre les tavelures de pommier et du poirier.** Rev. rom. Agric., Vitic., Arboric. 7. 1951, 32.
- Specialpræparater til sommersprøjtning mod skurv på æble.** Tidsskr. Planteavl, København, 54. 1951, 157—159 (Stat. Forsøgsvirks. Plantekultur Meddel. 443).

Tierische Feinde

Animal parasites — Parasites animaux

- Andrewartha, H. G., and Kilpatrick, D. T.**, The apple thrips. J. South Austr. Dept. Agric. 54. 1951, 586—592, 595.
- Arnoux, J.**, La cheimatobie (*Operopthera brumata*) et les vergers de pommiers à cidre. Compt. rend. Acad. Agric. France 37. 1951, 374—377.
- Bardia Bardia, R.**, El gorgojo de las flores del manzano. [*Anthonomus pomorum*] Cult. Mod. 34. 1951, 96—97.
- Bardia Bardia, R.**, El pulgón lanigero del manzano (*Eriosoma lanigerum*). Cult. Mod. 34. 1951, 206—207.
- Barnes, M. M.**, Studies with acaricides for control of mites in apple and pear orchards in southern California. [DDT] J. econ. Ent. 44. 1951, 672—684.

- Barth, E.**, Achtet auf den Apfelblütenstecher. (Mitteilung des Pflanzenschutzamtes.) Württ. Wochenbl. Landw. 118. 1951, 238.
- Berry, D.**, Pear psylla (*Psylla pyricola*) on the move. [includes *Rhagoletis conglutata*] West. Fruit Grower 5. 1951, nr. 4, p. 20.
- Blair, C. A.**, Damage to apple leaves by the fruit tree red spider mite, *Metatetranychus ulmi* (Koch) (i. e. *Paratetranychus pilosus*). East Malling Res. Stat. Ann. Rept. 38 (1950). 1951, 152—154, 6 fig.
- Bonnemaison, L.**, Biologie et méthodes de lutte contre le psylle du poirier (*Psylla pyri* L.). 9. int. Congr. Ent., Amsterdam, 8. 1951, 4.
- Bonnemaison, L.**, et **Missonnier, J.**, Observations préliminaires sur le psylle du poirier (*Psylla pyri* L.) et essais de traitements. Compt. rend. Acad. Agric. France 37. 1951, 57—59.
- Borden, A. D.**, and **Madsen, H. F.**, Spider mite control; acaricides show selectivity on apples and pears in northern California. [*Paratetranychus pilosus*] Calif. Agric. 5. 1951, nr. 3, p. 6, 14.
- Borden, A. D.**, and **Madsen, H. F.**, Stink bug (*Euschistus conspersus*) on pears; habits of pest studied to find a control program which may include sprays, clean culture, host plant eradication. Calif. Agric. (Calif. Stat.) 5. 1951, nr. 11, p. 7, 12.
- Brown, L. R.**, A method for estimating zonal areas of apple skin in insecticide residue studies. J. econ. Ent. 44. 1951, 432—433, 1 fig.
- Brown, L. R.**, and **Dewey, J. E.**, Control of the apple leaf-curling midge with DDT in codling moth sprays. [*Dasyneura mali*] J. econ. Ent. 44. 1951, 425—426.
- Bullrich, K.**, Frühjahrstemperaturen und Apfelblütenstecherbekämpfung. [*Anthonomus pomorum*] Neue Mitt. Landw. 6. 1951, 139—140.
- Caballero V., C.**, Aspectos biológicos y de control de la »conchuela morada del manzano (*Lepidosaphes ulmi*). Chile Dir. Gen. Agr. agr. Tecn. 11. 1951, 91—92.
- Chaboussou, F.**, et **Ramadier, P.**, Essais de traitements contre la cochenille rouge du poirier (*Epidiaspis leperii* Sign.). Rev. Zool. agric. appl., Talence, 1951, nr. 10—12.
- Chandler, S.**, The plum (*Conotrachelus nenuphar*) and apple (*Tachypterellus quadrigibbus*) curculios as pests of apples. Illinois State hortic. Soc. Trans. 84 (1950). 1951, 72—80.
- Chandler, S.**, Studies of plum curculio (*Conotrachelus nenuphar*) on apple in 1951. Illinois State hortic. Soc. Trans. 85. 1951, 285—299.
- Conci, C.**, ([Flower] buds jumping because of *Anthonomus pomorum* L. (Coleoptera, Curculionidae). Bol. Soc. Ent. Ital. 81. 1951, 48.
- Contin, R.**, La cécidomyie des poirettes (*Contarinia, pyrivora* Riley) dans ses rapports phénologiques avec le poirier. 9. int. Congr. Ent., Amsterdam, 8. 1951, 12.
- Contin, R.**, Essai de traitement du sol pour la destruction de la cécidomyie des poirettes (*Contarinia pyrivora*). Compt. rend. Acad. Agric. France 37. 1951, 528—530.
- Dean, R. W.**, Evaluation of some new insecticides for apple maggot control. [*Rhagoletis pomonella*] J. econ. Ent. 44. 1951, 147—153.
- Dean, R. W.**, and **Laplanche, A. A.**, European sawfly (*Hoplocampa testudinea*) — a new pest in New York orchards. Farm Res. (New York State Stat.) 17. 1951, nr. 4, p. 3.
- De Jong, D. J.**, Bladrollers (Tortricidae) op vruchtbomen. Voorlopige resultaten van het onderzoek naar de bestrijdingmogelijkheden in Nederland. [an Apfel u. Birne] Meded. Dir. Tuinbouw 14. 1951, 131—150, 14 fig. (Inst. plt.ziektenkdg. Onderz., Wageningen, Meded. nr. 12).
- De Jong, D. J.**, (Leaf rollers and their control.) [*Capua reticulana*] Fruitteelt 41. 1951, 450—451.
- De Jong, D. J.**, (Preliminary investigations on apple and pear leafrollers.) [*Capua reticulana*] Meded. Dir. Tuinbouw 14. 1951, 131—150.
- De Jonge, C.**, What is the best time to control woolly aphid (*Eriosoma lanigerum*)? Fall or spring? Betuws Tuinbouwbl. 9. 1951, nr. 14, p. 3—4.
- Ehrenhardt, H.**, Die Apfelblutlaus und ihre Bekämpfung. [*Eriosoma (Schizoneura) lanigerum*] Biol. Bundesanst. Braunsch. Flugbl. K 14. 1951, 8 S., 6 Abb.
- Ferraguti, A.**, (Rose and green aphids of apple.) Agric. Ferrarese (ital.) 55. 1951, 150—152.
- Ferrière, Ch.**, Les parasites de *Lyonetia clerkella* L. [pomme] 9. int. Congr. Ent., Amsterdam, 8. 1951, 7.
- Fiori, G.**, Allotrofia della *Cantharis livida*. [an Apfel] Inform. Fitopat., Bologna, nr. 9. 1951, 6—7, 1 fig.
- Fluke, C. L.**, Codling moth superseded in 1950 by other important apple insect pests. [*Conotrachelus nenuphar*, *Rhagoletis pomonella*, *Argyrotaenia velutinana*] Wisconsin Hortic. 42. 1951, 136.
- Fluke, C. L.**, Controlling the apple maggot (*Rhagoletis pomonella*). Wisconsin agric. Coll. Ext. Circ. 394. 1951, 4 p.
- Foschi, S.**, Un caso di presunta acariosi sulle pere. [*Eriophyes piri*] Riv. Ortoflorofruttic. ital. 76 (35). 1951, Fasc. 7—8, 6 p., 4 fig.
- Foschi, S.**, Litiasi o petrosità delle pere. [*Calocoris*] Inform. Fitopat., Bologna, nr. 6. 1951, 4—5, 3 fig.
- Frost, S. W.**, Insects that attack the apple in Pennsylvania. Pennsylv. agric. Exp. Stat. Bull. 535. 1951, 30 p.
- Gabotto, L.**, (Pear bug (*Tingis pyri*.) Coltiv., Giorn. vinic. ital. 97. 1951, 99—100.
- Glass, E. H.**, Some 1950 experiments on the control of certain apple pests. New York State hortic. Soc. Proc. 96. 1951, 147—151.

- Graham, G.**, Apple insects that caused damage during 1950. Maryland agric. Soc. — Maryland Farm Bur. Rept. 35 (1950). 1951, 150—151.
- Groves, J. R.**, New caterpillar attacks apples in England. Grower 36. 1951, 458.
- Günthart, E., und Hoffmann, E.**, Bekämpfung der Apfelblattminiermotte. [Lyonetia clerkella] Schweiz. Ztschr. Obst-, Weinbau 60. 1951, 374—378, 3 Abb.
- Halleman, A.**, (Control of woolly apple aphid (*Eriosoma lanigerum*) with parathion or with E 605.) Cult. en Handel (flem.) 17. 1951, 395.
- Halleman, A.**, (The stony pit problem in pears.) [bugs and virus] Cult. en Handel (flem.) 17. 1951, 614—615.
- Houtman, G.**, De perezaagwesp in 1950. (The pear sawfly in 1950.) [Hopllocampa brevis] Fruitteelt 41. 1951, 256—257.
- Houtman, G.**, Een schadelijke mineerder van het appelblad het dwergmotje *Nepticula malella* Hb. (A dangerous miner of apple leaves, the dwarf moth *Nepticula malella* Hb.) Fruitteelt 41. 1951, 706—707.
- Hutson, R.**, The control of curculio (*Conotrachelus*) on apples and two-spotted mites (*Tetranychus bimaculatus*). Michigan State hortic. Soc. Ann. Rept. 81. 1951, 94—96.
- Ingelström, E.**, Äppelkärnstekeln. [Syntomaspis druparum och Megastigmus brevicaudis] Växtskyddsnotiser, Stockholm, 15. 1951, 89—90, 2 fig.
- Jancke, O.**, Bemerkungen zur Lebensweise und Bekämpfung des Birnprachtkäfers (*Agrilus sinuatus* Oliv.). 9. int. Congr. Ent., Amsterdam, 8. 1951, 9.
- Kirby, A. H. M.**, Chemicals for the control of apple sawfly (*Hopllocampa testudinea*). Ann. appl. Biol. 38. 1951, 899—902. — East Malling Res. Stat. Ann. Rept. 38 (1950). 1951, 213.
- Knippel, Der** Purpurrote Apfelfruchtstecher (*Rhynchites bacchus* L.). Pflanzenschutz, München, 3. 1951, 105—106, 2 Abb.
- Kuene, D. J., en Van de Vrie, M.**, Waarnemingen over de biologie en de bestrijding van de appelzaagwesp (*Hopllocampa testudinea* Klug, Hymenopt., Tenthredinidae). Tijdschr. Plantenziekten 57. 1951, 135—157, 10 fig.
- Lathrop, F. H.**, Sidelights on European red mite control. [on apple] J. econ. Ent. 44. 1951, 509—514, 2 fig.
- Liebster, Das** wichtigste über die Blutlaus. [*Eriosoma lanigerum* an Äpfeln] Mitt.bl. Obstbauberatungsring 6. 1951, Nr. 4, S. 9—10.
- Lienk, S. E., and Chapman, P. J.**, Influence of the presence or absence of the European red mite on two-spotted spider mite abundance. [Paratetranychus pilosus and Tetranychus bimaculatus on apple] J. econ. Ent. 44. 1951, 623, 1 fig.
- Lienk, S. E., and Chapman, P. J.**, Orchard mite studies in 1950. [Tetranychus bimaculatus, Paratetranychus pilosus, Septanychus canadensis and Bryobia praetiosa on apple] J. econ. Ent. 44. 1951, 301—306, 1 fig.
- Loads, F. W.**, Be on guard against woolly aphids. [on apples] Pop. Gard., London, 53. 1951, 1164.
- Lusis, E.**, Die Apfelsägewespe (*Hopllocampa testudinea*). Hess. Obstbau 6. 1951, 59—60.
- McAlister, H. J., Steiner, L. F., Summerland, S. A., and Fahey, J. E.**, Control of apple insects and mites. Indiana hortic. Soc. Trans. 89 (1949). 1951, 37—46.
- McAlpin, D. M.**, Bryobia mite on apples and pears. J. Dept. Agric. Victoria 49. 1951, 80.
- Marshall, G. E., Cutright, C. R., Sherman III, F., and Weinman, C. J.**, Possible changes in the apple spray program due to the use of new insecticides and acaricides. Amer. Assoc. econ. Ent., North Centr. States Branch, Proc. 6. 1951, 31—34.
- Mundinger, F. G.**, The apple flea weevil. [Rhynchaenus pallicornis] J. econ. Ent. 44. 1951, 28—33, 6 fig.
- O'Neill, W. J.**, Spray program 1951, Washington: pest control for apples and pears. [insects] West. Fruit Grower 5. 1951, nr. 2, p. 33—34.
- O'Neill, W. J., and Hantsbarger, W. H.**, Apple and pear pest control experiments for 1951. Washington State hortic. Assoc. Proc. 47. 1951, 134—137.
- Parsons, H.**, Apple pests. [Hopllocampa testudinea] Gard. Chron. 129. 1951, 187.
- Parsons, H.**, Woolly aphids. [*Eriosoma lanigerum* on apple] Gard. Chron. 130. 1951, 129.
- Picco, D.**, Il Paratetranychus ununguis, parassita del melo. (Paratetranychus ununguis, a parasite of apple tree.) Not. Mal. Pianta nr. 14. 1951, 19—20.
- Refatti, E.**, Prove di lotta invernale sulle uova di *Cacoeccia rosana* L. Not. Mal. Pianta nr. 17. 1951, 6—13.
- Reichart, G.**, A bimbólikaszó bogár. (The apple blossom weevil (*Anthonomus pomorum* L.)) Acta agron. Acad. sci. hung. 1. 1951, 58—106; 2. 1951, 297—343.
- Rui, D.**, (Operations for the antiparasitical protection of pome fruits.) [insect control on apples and pears] Agr. Venezia (ital.) 5. 1951, 670—671.
- Schaposchnikow, G. Ch.**, (Eine neue Gattung und Art von Apfelbaumläusen (Aphididae).) [Malaphis magna] (Ent.-Übersicht), Moskau u. Leningrad, 31. 1951, 517—520, 2 Abb.
- Schmidt, G.**, Das Schadbild der Birntriebwespe (*Cephus compressus* F.). Nachr.bl. dtsch. Pfl.schutzd., Braunschweig, 3. 1951, 17—19, 7 Abb.
- Smirnowa, O. N.**, (Disclosure of nidi of grey apple aphids (*Aphis pomi*?) and measures for their control.) Sad i Ogorod (Orchard and Garden) nr. 2. 1951, 35—37.

- Stanley, W. W., Experiments to control the woolly apple aphid on nursery stock. *J. econ. Ent.* 44. 1951, 1006—1007.
- Stubbings, W. A. K., and Nel, R. I., The use of some recently developed synthetic organic insecticides against pests of pear and apple trees in the Western Cape Province of South Africa. *Int. Congr. Crop Prot. Proc.* 2 (1949). 1951, 413—416.
- Sylvén, E., Blodlusarbetet i spårzonén. [Blutlaus] Växtskyddsnotiser, Stockholm, 15. 1951, 7—12, 2 fig.
- Townsend, J. F., and Garman, P., European apple sawfly (*Hoplocampa testudinea*). *Connecticut agric. Exp. Stat. Spec. Bull. (Ent.)* 40. 1951, 1 p.
- Trouvelot, B., et Arnoux, J., Particularités de la lutte contre les insectes nuisibles du pommier à cidre et études qu'elles appellent. *Compt. rend. Acad. Agric. France* 37. 1951, 371—373.
- Turnipseed, G. F., and Smith, C. F., Work with apple pests in North Carolina, 1951. *Cumberland-Shenandoah Fruit Workers' Conf. Proc.* 27. 1951, 71—87.
- Van Katwijk, W., (Injuries to apples by the larvae of the dock sawfly (*Ametastegia glabrata* Fall.)) *Fruit-teelt* 41. 1951, 578—579.
- Zanighi, S., Il cefo del pero. [Janus compressus] *Inform. Fitopat., Bologna*, nr. 14. 1951, 4—5, 2 fig.
- Zweigelt, F., Die Birntriebwespe *Janus compressus*. *Pflanzenarzt, Wien*, 4. 1951, Nr. 7, S. 2—3, 2 Abb.
- L'anthomisme du pommier. [*Anthonomus pomorum*] *Rev. rom. Agric., Vitic., Arboric.* 7. 1951, 15.
- Apfelbaumgespinntmotte. [*Hyponomeuta malinella* Zell.] *Pflanzenarzt, Wien*, 4. 1951, Nr. 8, S. 7.
- Les *hoplocampes* des poires. *Rev. rom. Agric., Vitic., Arboric.* 7. 1951, 22—23.
- Pear midge (*Contarinia pyrivora*). *Minist. Agric., Fish., London, Adv. Leaflet* 26. 1951, 4 p.
- Carpocapsa (Cydia, Laspeyresia)
- Bardia Bardia, R., El gusano de las manzanas y de las peras. *Cult. Mod.* 34. 1951, 300—302.
- Burman, J. H., Control of fruit pests. 1. Mopping up codlin caterpillars (*Carpocapsa pomonella*). *Mother Earth* 5. 1951, nr. 2, p. 47—48.
- Bush, R., Control of codling moth (*Carpocapsa pomonella*). *Countryman, Burford*, 43. 1951, 134—135.
- Clark, P. G., The control of codling moth (*Carpocapsa pomonella*) with parathion. *Grower, London*, 35. 1951, 16—17.
- Contin, R., et Grison, P., Biologie du carpocapse (*Carpocapsa pomonella*) et avis de traitement. *Bull. Hortic.* 6 (n. ser.). 1951, 99—102, 106.
- De Jonge, C., (Worminess; control of the fruit moth (*Carpocapsa*.) *Betuws Tuinbouwl.* 9. 1951, nr. 6, p. 3—5.
- Evenhuis, H. H., (The codling moth *Enarmonia* (= *Carpocapsa*) *pomonella* and its control.) *Fruitteelt* 41. 1951, 352—353.
- Evenhuis, H. H., Het nut van een bespuiting met loodarsenaat na de bloei ter bestrijding van het fruitmotje (*Enarmonia* [*Carpocapsa*] *pomonella*). *Meded. Dir. Tuinbouw* 14. 1951, 265—268 (Inst. pl. ziektenkdg. Onderz., Wageningen, *Meded.* nr. 23).
- Ferraguti, A., (*Cydia* (i. e. *Carpocapsa*) *pomonella*.) *Agric. Ferrarese (ital.)* 55. 1951, 120—122.
- Gambaro, P., (The number of generations of *Cydia* (i. e. *Carpocapsa*) *pomonella*.) *Inform. Agric.* 7. 1951, nr. 20, p. 5.
- Giulianelli, E., (*Carpocapsa pomonella*.) *Agric. Romagn. (ital.)* 9. 1951, 2.
- Grandori, R., (Experimental control of *Cydia* (i. e. *Carpocapsa*) *pomonella* by a toxaphene preparation.) *Boll. Zool. agric., Bachic. R. Univ. Milano* 17. 1951, 191—192.
- Grandori, R., (Experiment with an intensified program against *Cydia* (i. e. *Carpocapsa*) *pomonella* (L.). Preliminary note.) [on pear] *Boll. Zool. agric., Bachic. R. Univ. Milano* 17. 1951, 181—190.
- Hays, M. L., Spraying spells success. *Amer. Fruit Grower* 71. 1951, nr. 2, p. 16, 42—43.
- Hepburn, G. A., and Bishop, H. J., Control of false codling moth by means of insecticidal sprays. *Farming South Afr.* 26. 1951, 308, 375—378.
- Kirby, A. H. M., Trials of zinc fluoroarsenate against codling moth, *Cydia pomonella* L. *East Malling Res. Stat. Ann. Rept.* 38 (1950). 1951, 160—163.
- Mössner, G., Obstmadenbekämpfung. *Bad. Obst- u. Gartenbauer* 4. 1951, 152.
- Müller, F. P., Die Obstmade, ein Großschädling. *Kleingärtner u. Siedler* 5. 1951, 71—72, 1 Abb.
- Neumann, H., Zur Obstmaden-Spritzung. *Gesunde Pflanzen* 3. 1951, 101—102.
- Parsons, H., Codlin moth. *Gard. Chron.* 129. 1951, 187.
- Rath, Der Apfelwickler (*Carpocapsa pomonella*). *III. Flora* 74. 1951, 44—46.
- Richter, B., Zur Bekämpfung des Apfelwicklers (Obstmade). *Pflanzenschutz, München*, 3. 1951, 97—100, 5 Abb.
- Rui, D., (Integral control of the apple worm (*Carpocapsa pomonella*.) *Agric. Venezia* 5. 1951, 376—377.
- Schulhoff, C., and Schulhoff, E., Life cycle of codling moth (*Carpocapsa pomonella*) or common apple worm. *Green Thumb, Denver*, 8. 1951, nr. 7, p. 23.

Solaroli, V., and Bongiovanni, G. C., (Calyx spraying for control of *Carpocapsa pomonella*.) Riv. Ortofruttic. ital. 35 (76). 1951, 242—254.

Stellwaag, F., Die Obstmadenbekämpfung im Rahmen eines Warndienstes. Hess. Obstbau 6. 1951, 105—109.

Tadić, M., (Control of codling moth (*Carpocapsa pomonella* L.) by use of simple bandages and β -naphthol chemical bandages.) Saschtita Bilja (Plant Prot.), Beograd, nr. 3. 1951, 13—30, 4 fig.

Tadić, M. D., (Number of generations of codling moth in some orchard districts in Yugoslavia.) Saschtita Bilja (Plant Prot.), Beograd, nr. 5. 1951, 44—49, 1 tab. geogr.

Taylor, G. G., Spray treatments with DDT for control of codling moth (*Cydia pomonella* L.) in apple orchards. New Zealand J. Sci., Techn. (A) 33. 1951, nr. 4, p. 60—65.

Le *carpocapse* des pommes et des poires (*Laspeyresia pomonella*). Rev. rom. Agric., Vitic., Arboric. 7. 1951, 39—40.

Virus

Atkinson, J. D., and Robbins, R. E., Green-crinkle, a virus disease of apples. New Zealand J. Sci., Techn. (A) 33. 1951, nr. 3, p. 58—61, 3 fig.

Barton, K. P., The strange case of Lord Lambourne. [virus diseases of apple] Smallholder 85. 1951, nr. 2156, p. 13.

Mulder, D., Stenigheid in peren. [Virus] Meded. Dir. Tuinbouw 14. 1951, 357—361, 5 fig. (Inst. plt.ziekt.-kdg. Onderz., Wageningen, Meded. nr. 22).

Mulder, D., (A virus disease of apples.) Fruitteelt 41. 1951, 737—738.

Natal'ina, O., Pan'kova, O., and Shestakova, A., (On apple rosette.) [possibly virus disease] Sad i Ogorod (Orchard and Garden) nr. 8. 1951, 36—38.

Beerenobst — Bacciform fruits — Baies

Allgemeiner Teil

General part — Partie générale

Bauer, R., Beerenobstzüchtung im Ausland. I. Erdbeeren. Obstbau 70. 1951, 53—55.

Braun, A. J., Observations on the raspberry and strawberry disease situation in western New York during the past six years. New York State hortic. Soc. Proc. 96. 1951, 193—195.

Brooks, A. N., and Kelsheimer, E. G., Strawberries in Florida; culture, diseases, and insects. Florida Univ. agric. Ext. Serv. Bull. 148. 1951, 32 p., fig.

Christ, E. G., and Haenseler, C. M., Wilt in New Jersey strawberry fields. New Jersey State hortic. Soc. hortic. News 32. 1951, 2440.

Emge, R. G., and Fulton, J. P., Control of strawberry diseases in Arkansas. Arkansas agric. Coll. Ext. Leaf. 149. 1951, 6 p.

Fjeldalen, J., and Gjaerum, H. B., (The fight against plant diseases of fruit, berries and vegetables.) Gartneryrket (norweg.) 41. 1951, 279—288.

Groeneveld, C., (Dying branches on blackberries.) Bet. Tuinbouwbl. 9. 1951, nr. 12, p. 3.

Harris, R. V., Cadman, C. H., A.R.C. Scottish raspberry investigation. East Malling Res. Stat. Ann. Rept. 38 (1950). 1951, 50—51.

Hochapfel, H., Blattfallkrankheit bei Johannis- und Stachelbeeren. Stärkeres Auftreten der Krankheit im Jahre 1950. Bad. Obst- u. Gartenbauer 4. 1951, 94.

Johanson, F. D., Brigham, W. T., and Stoddard, E. M., 1951 spray guide for brambles (red raspberries, black raspberries, blackberries, dewberries). Connecticut Univ. Coll. Agric. agric. Ext. Serv. 1951, 1 p.

Köppel, Mehr Aufmerksamkeit bei der Erdbeeren-Jungpflanzenvermehrung! [Krankheiten] Obstbau 70. 1951, 121.

Labus, S., Welche Erdbeersorten künftig anbauen? [Krankheitsresistenz] Dtsch. Garten 62. 1951, Nr. 18, S. 3—5.

Matthews, L. J., Chemical control of blackberry. Nat. Weeds Conf. New Zealand Proc. 4. 1951, 15—17.

Philipp, E., Der Anbau von Erdbeeren. [Schädlinge] Obstbau 70. 1951, 138—139.

Plakidas, A. G., Chlorotic phyllody of strawberry. Plant Dis. Repr. 35. 1951, 495—496, 1 fig.

Reid, R. D., Breeding strawberries resistant to disease. Ann. appl. Biol. 38. 1951, 306.

Schröder, H., Bodenfeuchtigkeitsmessungen in einer Himbeerparzelle mit unterschiedlich behandelten Teilstücken. (Beitrag zur Frage des Einflusses von Kulturmaßnahmen auf die Bodenfeuchtigkeitsverhältnisse.) Angew. Meteorol. 1. 1951, 92—94, 2 Abb.

Vaughan, E. K., Johnson, F., Fitzpatrick, R. E., and Stace-Smith, R., Diseases observed on bramble fruits in the Pacific Northwest. Plant Dis. Repr. 35. 1951, 34—37, 2 fig.

Wilhelm, St., Diseases of trailing blackberries. West. Fruit Grower 5. 1951, nr. 5, p. 29—31.

Wilhelm, St., Thomas, H. E., and Koch, E. C., Diseases of the loganberry. Calif. Agric. 5. 1951, nr. 1, p. 11, 14, 3 fig.

Control of insects and diseases on strawberries. [spraying and dusting] New Jersey Coll. Agric., Mech. Arts Ext. Serv. Spray Calendar 47. 1951, 4 p.

Sygdomme og skadedyr på hindbaer. Tidsskr. Planteavl, København, 54. 1951, 137—140, 3 fig. (Stat. Forsøgsvirks. Plantekultur Meddel. 437).

Sygdomme og skadedyr på ribs. Tidsskr. Planteavl, København, 54. 1951, 141—144, 2 fig. (Stat. Forsøgsvirks. Plantekultur Meddel. 438).

Sygdomme og skadedyr på solbaer. Tidsskr. Planteavl, København, 54. 1951, 145—148, 2 fig. (Stat. Forsøgsvirks. Plantekultur Meddel. 439).

Sygdomme og skadedyr på stikkelsbaer. Tidsskr. Planteavl, København, 54. 1951, 148—152, 1 fig. (Stat. Forsøgsvirks. Plantekultur Meddel. 440).

Nichtparasitäre Krankheiten

Diseases not caused by parasites

Maladies non parasitaires

Askeu, H. O., Chittenden, E. T., and Monk, R. J., Die-back in raspberries — a boron deficiency ailment. J. hort. Sci. 26. 1951, 268—284, 4 tab.

Hagler, T. B., Nutrient-element deficiency symptoms of dewberries in sand culture. Assoc. south. Agric. Workers Proc. 48. 1951, 116 (Abstr.).

Houtman, G., »Degeneration« of gooseberry bushes.) Fruitteelt 41. 1951, 720—721.

Iwakiri and Scots, L. E., Mineral-deficiency symptoms of the temple strawberry grown in sand culture. Proc. amer. Soc. hort. Sci. 57. 1951, 45—52.

Johnson, F., Suggestions concerning frost injuries to raspberry plants. Washington State Coll. Ext. Mimeogr. 1037. 1951?, 1 p.

Jones, C. H., »Sudden wilt« may follow wet winter. [strawberries] Grower 35. 1951, 873, 875.

Minton, N. A., Hagler, T. B., and Brightwell, W. T., Nutrient-element deficiency symptoms of the rabbit-eye blueberry. Proc. amer. Soc. hort. Sci. 58. 1951, 115—119.

White, D. G., Kennard, W. C., and Tukey, L. D., Maleic hydrazide, a plant anesthetic which delays bloom. [on raspberry] Amer. Fruit Grower Mag. 71. 1951, 28.

Pflanzliche Feinde

Vegetal parasites — Parasites végétaux

Baker, R. E., and Butterfield, H. M., Commercial bush berry growing in California. Calif. agric. Ext. Serv. Circ. nr. 169. 1951, 50 (+ 5) p., 31 fig.

Bird, J. J., »Goose-berry« management. [use of geese for weeding strawberry plantings] Tennessee State hort. Soc. Proc. 46. 1951, 25—26.

Bolton, A. T., and Racicot, H. N., Cultural and inoculation studies on *Elsinoë veneta*, the causal organism of anthracnose of raspberry. Quebec Soc. Prot. Plants Rept. 1950. 1951, 7 p., 3 tab.

Braun, A. J., Verticillium wilt now recognized as a destructive disease of strawberries in New York State. Phytopathology 41. 1951, 4.

Braun, A. J., Verticillium wilt of strawberries. Farm Res. (New York State Stat.) 17. 1951, nr. 4, p. 2.

Butler, E., and King, T. H., Strawberry root-rot in Minnesota. Plant Dis. Repr. 35. 1951, 238—239.

Carlson, R. F., and Moulton, J. E., Further testing of herbicides in strawberry plantings. [weed control] Michigan agric. Exp. Stat. Quart. Bull. 33. 1951, 262—268.

Danielson, L. L., Recent research on weed control in strawberries, cane fruits, and blueberries. Virginia Fruit 39. 1951, nr. 2, p. 166—171.

Davidson, J. H., Controlling chickweed (*Stellaria media*), German knotgrass (*Scleranthus annuus*) and sorrel (*Rumex acetosella*) in strawberries. Down to Earth 7. 1951, nr. 2, p. 12—13.

Davydov, P. N., (Bacterial method for the control of powdery mildew (*Sphaerotheca*) in gooseberries.) [spraying] Sad i Ogorod (Orchard and Garden) nr. 6. 1951, 34—36.

Davydov, P. N., (Utilization of mycolytic bacteria in the control of American mildew on gooseberries (*Sphaerotheca mors uvae*) and of some other diseases of plants.) Vsesoiuzn. Akad. Selskhoz. Nauk Dokl. 16. 1951, nr. 9, p. 35—38.

Demaree, J. B., and Morrow, E. B., Relative resistance of some blueberry varieties and selections to stem canker in North Carolina. Plant Dis. Repr. 35. 1951, 136—141, 1 fig.

Fall, J., Studies on fungus parasites of strawberry leaves in Ontario. Canad. J. Bot. 29. 1951, 299—315, 6 fig., 7 tab.

Freed, V., a. o., Strawberry weed control. Oregon State hort. Soc. Proc. 66. 1951, 79.

Fulton, R. H., Comparison of fungicides for control of powdery mildew on the latham red raspberry in 1950. [Sphaerotheca humuli] Plant Dis. Repr. 35. 1951, 538—539.

Fulton, R. H., and Grigsby, B. H., The effect of several soil treatments on mummy berry disease of blueberries in Michigan. [Monilinia vacciniae corymbosi] Michigan agric. Exp. Stat. Quart. Bull. 34. 1952, 297—302.

Goheen, A. C., Experiments with cranberry fruit rots. Cranberry Growers Assoc. Proc. 81. 1951, 12—18.

- Hemphill, D. D.**, New weed control practices in strawberries. Missouri agric. Exp. Stat. Circ. 355. 1951, 4 p.
- Hickman, C. J.**, and **English, M. P.**, Factors influencing the development of red-core in strawberries. [Phytophthora fragariae] Trans. brit. mycol. Soc. 34. 1951, 223—236, 1 fig.
- Hickman, C. J.**, and **English, M. P.**, The susceptibility of strawberry varieties to red-core. [Phytophthora fragariae] Trans. brit. mycol. Soc. 34. 1951, 356—359.
- Hockey, J. F.**, A Botrytis cane blight of raspberry. Proc. canad. phytopath. Soc. nr. 18. 1951, 11 (Abstr.).
- Keyworth, W. G.**, and **Bennett, M.**, Verticillium wilt of the strawberry. [V. alboatrum] J. hort. Sci. 26. 1951, 304—316.
- Perišić, M. M.**, (Didymella applanata (Niessl) Sacc. en Yougoslavie.) [an Himbeere] Plant Prot., Beograd, nr. 8. 1951, 18—21, 2 fig.
- Schmidt, M.**, Mehlttauresistente Stachelbeersorten. Gartenwelt 51. 1951, 244—245, 1 Abb.
- Scott, D. H.**, **Darrow, G. M.**, **Jeffers, W. F.**, and **Ink, D. P.**, Further results on breeding strawberries for resistance to red-stele disease (Phytophthora fragariae). Delaware Board Agric. Bull. 40. 1951, nr. 5, p. 130—138.
- Scott, D. H.**, **Jeffers, W. F.**, **Darrow, G. M.**, and **Ink, D. P.**, Further studies on the response of strawberry varieties and selections to strains of the red-stele root disease fungus. Plant Dis. Repr. 35. 1951, 134—135.
- Sharville, E. G.**, Strawberry leaf spot and its control. Purdue Univ. Agric. Ext. Leaf. 334. 1951, 4 p.
- Smith, H. C.**, Collar-rot [Phytophthora cactorum] of apples and gooseberries. Orchardist New Zealand 23 (1950). 1951, nr. 11, p. 11, 13—14.
- Smith, H. C.**, Red-core (Phytophthora fragariae) of strawberries. New Zealand J. Sci., Techn. (A) 33. 1951, nr. 1, p. 49—55, 6 fig.
- Starr, M. P.**, **Cardona, C.**, and **Folsom, D.**, Bacterial fire blight of raspberry. Phytopathology 41. 1951, 915—919, 1 fig.
- Stoddard, E. M.**, A chemotherapeutic control of strawberry red-stele. [Phytophthora fragariae] Phytopathology 41. 1951, 34.
- Stoddard, E. M.**, Chemotherapy scores again. [control of red-stele of strawberry, caused by Phytophthora fragariae] Frontiers Plant Sci. 3. 1951, nr. 2, p. 7.
- Stoddard, E. M.**, Control of strawberry red-stele by chemotherapy. Phytopathology 41. 1951, 858.
- Swartwout, H. G.**, Summary of strawberry leaf spot control studies. Montana State hort. Soc. hort. News 1951, 5—6.
- Timmons, F. L.**, Control of willow and sagebrush in the strawberry valley of Utah. Utah agric. Exp. Stat. News Letter nr. 3. 1951.
- Vaughan, E. K.**, Red-stele (Phytophthora fragariae) of strawberries. Oregon State hort. Soc. Proc. 66. 1951, 82—83.
- Wade, G. C.**, White root rot of raspberries. Austr. J. sci. Res., Ser. B (Biol. Sci.), 4. 1951, 211—222.
- Winter, H. F.**, Lime sulfur and ferbam sprays give control of raspberry anthracnose. [Elsinoë venata] Ohio Farm, Home Res. (Ohio Stat.) 36. 1951, 83, 92—93, 1 fig.
- Young, W. J.**, and **Fulton, R. H.**, A field test of several fungicides for the control of powdery mildew on Lucretia dewberry in 1951. Plant Dis. Repr. 35. 1951, 540—541.
- Bush fruits.** [Sphaerotheca mors-uvae] Minist. Agric., Fish., London, Bull. nr. 4. 1951, 36 p., 1 fig., 12 tab.
- Erdbeerrost.** [Mycosphaerella fragariae Sacc., Marssonina fragariae Sacc., M. potentillae Fisch.] Neue Berliner Gärtner-Börse 5. 1951, 15.

Tierische Feinde

Animal parasites — Parasites animaux

- Ahlberg, O.**, Vinbärgsgallkvalstret. [Eriophyes ribis] Växtskyddsnötiser, Stockholm, 15. 1951, 26—29, 2 fig.
- Andison, H.**, **Richardson, H. P.**, and **Robinson, A. G.**, The currant fruit fly and its control in Canada. Canad. Dept. Agric., Div. Ent., Processed Publ. nr. 46. 1951.
- Baerg, W. J.**, and **Warren, L. O.**, Insecticidal control of the strawberry crown borer (Tyloderma fragariae) during 1950 and 1951. Arkansas agric. Exp. Stat. Rept. Ser. 28. 1951, 8 p.
- Böhm, H.**, Der Erdbeerblütenstecher. Bundesanst. Pfl.schutz Wien Flugbl. Nr. 70. 1951, 1 S.
- Breakey, E. P.**, and **Brannon, D.**, Control of strawberry root weevils (Brachyrhinus ovatus). Washington State Coll. Ext. Circ. 169. 1951, 4 p.
- Breakey, E. P.**, and **Brannon, D.**, Now is the time to watch for strawberry root weevils (Brachyrhinus). Better Fruit 45. 1951, nr. 9, p. 22—23.
- Brooks, A. N.**, and **Christie, J. R.**, A nematode attacking strawberry roots. Florida State hort. Soc. Proc. 63 (1950). 1951, 123—125.
- Calzecchi-Onesti, A.**, (The strawberry. VII.) [insect pests] Giorn. Agric. 61. 1951, 123—124.
- Chapman, R. K.**, and **Whipp, A. A.**, Strawberry leaf roller control in Wisconsin. [Ancylics comptana fragariae] J. econ. Ent. 44. 1951, 424—425.

- Cockayne, E. A., Aberrations of *Abraxas grossulariata* Linnaeus (Lep. Geom.). Ent. Rec. J. Variation 63. 1951, 102—106.
- Cockayne, E. A., *Abraxas grossulariata* L. ab. *aureo-marginata* ab. nov. (Lep. Geometridae). Entomologist 84. 1951, 128—131.
- De Regt, N. A., (Disease control in fruit culture: *Incurvaria capitella*.) Betuws Tuinbouwl. 8. 1951, nr. 22, p. 3—4.
- Eide, P. M., Soil treatments for weevil control in strawberries and raspberries (*Anthonomus signatus* Say.). Agric. Bull. (Shell) ADB. 326/Sn6. 1951, 3 p.
- Enns, W. R., Strawberry insect control recommendations for 1951. Missouri State hort. Soc. hort. News 1951, 4—5.
- Goodey, J. B., Observations on the attack by the stem eelworm, *Ditylenchus dipsaci*, on strawberry. Ann. appl. Biol. 38. 1951, 618—623, 1 fig., 1 tab.
- Groschke, F., *Boarmia histortata* Goeze, der Heidelbeerspanner, ein neuer Großschädling. Verh. dtsh. Ges. angew. Ent. e. V. 11. Mitgl.versamml. München 1949. 1951, 120—124.
- Hahmann, K., und Müller, H. W. K., Die Erdbeermilbe, ein Großschädling unserer Erdbeerkulturen. [Tarsonemus pallidus] Gesunde Pflanzen 3. 1951, 90—95, 3 Abb.
- Hahmann, K., und Müller, H. W. K., Jetzt ist die Zeit der Erdbeermilbenbekämpfung! Zentralbl. dtsh. Erw.gartenbau 3. 1951, Nr. 34, 1 S., 1 Abb.
- Hahmann, K., und Müller, H. W. K., Zum Auftreten und zur Bekämpfung der Erdbeermilbe. [Tarsonemus pallidus] Nachr.bl. dtsh. Pfl.schutzd., Braunschweig, 3. 1951, 33—38, 5 Abb.
- Hofmaster, R. N., and Greenwood, D. E., Control of the two-spotted mite on strawberries. [Tetranychus bimaculatus] J. econ. Ent. 44. 1951, 514—519.
- Huffaker, C. B., and Spitzer jr., C. H., Data on the natural control of the cyclamen mite on strawberries. [Iphidulus on Tarsonemus pallidus] J. econ. Ent. 44. 1951, 519—522, 2 fig.
- Hutchinson, M. T., and Wells jr., L. F., Preliminary report on cranberry scale (*Aspidiotus oxycoccus*) studies in 1951. Amer. Cranberry Growers Assoc. Proc. Ann. Conv. 82. 1951, 9—10, 12—13.
- Johanson, F. D., Brigham, W. T., and Stoddard, E., Blueberry pest control guide, 1951. Connect. Univ. Coll. Agric. agric. Ext. Serv., Storrs, 1951, 2 p.
- Johanson, F. D., Brigham, W. T., and Stoddard, E. M., Currant and gooseberry pest control guide, 1951. Connecticut Univ. Coll. Agric. agric. Ext. Serv. 1951, 1 p.
- Johanson, F. D., Brigham, W. T., and Stoddard, E. M., Strawberry pest control guide, 1951. Connecticut Univ. Coll. Agric. agric. Ext. Serv. 1951, 2 p.
- Jordan, Ch., und Sengbusch, R. v., Bekämpfung von Milbenshäden in Erdbeerkulturen. [Tarsonemus pallidus] Gartenwelt 51. 1951, 139—140, 1 Abb.
- Leib, E., Erster Erdbeermilbenbefall im Saarland. Ztschr. Pfl.krankh. 58. 1951, 433—435.
- Leib, E., Selten starkes Auftreten des Grauen Rüsselkäfers (*Peritelus griseus* Ol.) an Johannisbeeren. Ztschr. Pfl.krankh. 58. 1951, 430—432, 1 Abb.
- Marshall, G. E., White grub control in strawberries. J. econ. Ent. 44. 1951, 668—671.
- Maxwell, C. W. B., The overwintering habits of the strawberry weevil, *Anthonomus signatus* Say (Coleoptera: Curculionidae), in New Brunswick. Ontario ent. Soc. Ann. Rept. 82. 1951, 25—28.
- Mutz, H., Über das Auftreten des Dickmaulrüßlers *Otiorynchus ovatus* L. als Schädling der Erdbeeren (*Fragaria*). Anz. Schäd.l.kunde 24. 1951, 70—74, 5 Abb.
- Neumann, H., Über die Johannisbeermotte und ihre Bekämpfung. [Incurvaria capitella] Gesunde Pflanzen 3. 1951, 27—29, 3 Abb.
- Pitcher, R. S., The raspberry cane midge and its control. [Thomasiniana theobaldi] East Malling Res. Stat. Ann. Rept. 38 (1950). 1951, 211—212, 1 fig.
- Pitcher, R. S., Raspberry cane midge (*Thomasiniana theobaldi*) and midge blight. Grower, London, 35. 1951, 766—767.
- Richardson, H. P., Robinson, A. G., and Allen, W. R., Chemical control of the currant fruit fly, *Epocha canadensis* Loew (Diptera: Trupaneidae), in Manitoba. Ontario ent. Soc. Ann. Rept. 82. 1951, 29—33.
- Roesler, R., Zur Bekämpfung der Erdbeermilbe (*Tarsonemus pallidus* Banks). Nachr.bl. dtsh. Pfl.schutzd., Braunschweig, 3. 1951, 37.
- Rosella, E., à Carpentras où l'araignée rouge fait des ravages il y a également d'autres maladies et parasites. [fraise] Progr. agric., vitic. 135. 1951, 174—175.
- Rosenstiel, R. G., Control of the omnivorous leaf tier (*Cnephiasia longana*) on strawberries and nursery stock. Oregon agric. Exp. Stat. Circ. Inform. 506. 1951, 4 p.
- Schenk, P. J., (The red fruit disease of blackberries.) [Eriophyes essigi] Groenten en Fruit 7. 1951, 255.
- Schenk, P. J., (Yellow spots on raspberry leaves. I, II.) [gall mites, red spider (*Tetranychus*)] Zaadwereld (dutch) 15. 1951, 384—385, 481.
- Spit, J. M., and Groeneveld, C., (Control of »red berry disease« with blackberries.) [Eriophyes essigi] Meded. Dir. Tuinbouw, Wageningen, 14. 1951, 229—231.

Tomlinson jr., W. E., Control of insect larvae infesting immature blueberry fruit. [*Mineola vaccinii*, *Graptholitha packardii*, *Conotrachelus nenuphar*] J. econ. Ent. 44. 1951, 247—250.

Tomlinson jr., W. E., Influence of temperature on emergence of the blueberry maggot. J. econ. Ent. 44. 1951, 266—267.

Treutler, I., Tierische Schädlinge der Stachelbeere. Pillnitzer Merkbl. Pfl.schutz F. 4. 1951, 6 S., 5 Abb.

Van Dinther, J. B. M., *Eriophyes gracilis* Nal. als verwekker van gele bladvlekken op framboos. Tijdschr. Plantenziekten 57. 1951, 81—94, 8 fig. (Inst. plt.ziektenkdg. Onderz., Wageningen, Meded. nr. 24).

Walton, R. R., Control of the red-necked cane borer on prostrate brambles by summer pruning. [*Agilus ruficollis*] J. econ. Ent. 44. 1951, 950—954, 1 fig.

Werner, W., Milbensschäden in Erdbeerkulturen. Zentralbl. dtsh. Erwerbsgartenbau 3. 1951, Nr. 24, S. 3.

Whiffen, H. J., Watch for clearwing currant moth (*Ramosia tipuliformis*). Fruit Grower nr. 2891. 1951, 931—932.

Wood, G. W., An annotated list of lepidopterous larvae from commercial blueberry fields, Charlotte County, N. B. [*Actebia fennica*] Canad. Ent. 83. 1951, 241—244.

Zimmermann, Himbeerkäfer [*Byturus* spp.] und Erdbeerbüthenstecher [*Anthonomus rubi*]. Obstbau 70. 1951, 106.

Common strawberry insects and their control. Canad. Dept. Agric., Div. Ent., Publ. 621. 1951.

Virus

Angell, G. N., There's hope for the Marshall; plants propagated and grown in isolation till distributed, grafted twice and double indexed, may be the answer to berry plants' virus ills. [strawberries] Oregon Farmer 74. 1951, 833.

Breakey, E. P., Is it possible to control virus spread in strawberries by controlling the aphid vector? Oregon State hortic. Soc. Ann. Rept. 43. 1951, 84—88.

Breakey, E. P., and **Campbell, L.**, Suppression of strawberry yellows by controlling the aphid vector *Capitophorus fragaefolii* (Ckll.). Plant Dis. Repr. 35. 1951, 63—69.

Bush, R., A longer life for strawberries. [aphid control by Pestox 3] Countryman, Burford, 44. 1951, 135—136.

Bush, R., Systemics help strawberry virus control. Grower, London, 35. 1951, 825, 827.

Cadman, C. H., Recent work on raspberry virus diseases. Ann. appl. Biol. 38. 1951, 306.

Cadman, C. H., Studies in Rubus virus diseases. I. A latent virus of Norfolk Giant raspberry. Ann. appl. Biol. 38. 1951, 801—811, 1 tab.

Cadman, C. H., and **Harris, R. V.**, Raspberry virus diseases: a survey of recent work. East Malling Res. Stat. Ann. Rept. 38 (1950). 1951, 127—130.

De Fluiter, H. J., en **Thung, T. H.**, Waarnemingen omtrent de dwergziekte bij framboos en wilde braam. I. [virus] Tijdschr. Plantenziekten 57. 1951, 108—114, 4 fig.

Demaree, J. B., and **Marcus, C. P.**, Strawberry viruses in eastern United States, as expressed when transmitted to *Fragaria vesca*. Phytopathology 41. 1951, 10.

Demaree, J. B., and **Marcus, C. P.**, Virus diseases of strawberries in the United States, with special reference to distribution, indexing, and insect vectors in the East. Plant Dis. Repr. 35. 1951, 527—537, 4 fig.

Fitzpatrick, R. E., and **Mellor, F. C.**, Studies of virus diseases of strawberries in British Columbia. I. The reaction of the British Sovereign variety and the indicator *Fragaria vesca* to yellows. Canad. J. Bot. 29. 1951, 182—188, 2 tab.

Frazier, N. W., *Fragaria bracteata* Heller as an indicator plant of strawberry viruses. Plant Dis. Repr. 35. 1951, 127—128.

Frazier, N. W., New aphid vectors of strawberry viruses. J. econ. Ent. 44. 1951, 258—259.

Heikinheimo, O., (Aphids on *Ribes*.) Nord. Jordbr.forskn. 2/3. 1951, 461—464.

Klessner, P. J., A virus disease of red currant (*Ribes rubrum* L.). Ann. appl. Biol. 38. 1951, 707—713, 1 tab.

Kronenberg, H. G., en **De Fluiter, H. J.**, Resistentie van frambozen tegen de grote frambozenluis *Amphorophora rubi* Kalt. Tijdschr. Plantenziekten 57. 1951, 114—123.

Mellor, F. C., and **Fitzpatrick, R. E.**, Strawberry virus in British Columbia. Proc. canad. phytopath. Soc. nr. 18. 1951, 12 (Abstr.).

Mellor, F. C., and **Fitzpatrick, R. E.**, Studies of virus diseases of strawberries in British Columbia. II. The separation of the component viruses of yellows. Canad. J. Bot. 29. 1951, 411—420, 1 fig., 4 tab.

Miller, P. W., An eastern Oregon *Fragaria vesca* suitable as an indicator for some strawberry virus diseases. Plant Dis. Repr. 35. 1951, 61—62, 1 fig.

Miller, P. W., Growers to receive virus-free plants. [strawberries] Better Fruit 46. 1951, nr. 4, p. 2, 4, 6, 23.

Miller, P. W., Number of aphids and time required for the transmission of strawberry yellows. Plant Dis. Repr. 35. 1951, 262—263.

- Miller, P. W., Sensitivity of some species of *Fragaria* to strawberry yellows and crinkle virus diseases. *Plant Dis. Repr.* 35. 1951, 259—261, 1 fig.
- Miller, P. W., Studies on the mechanical transmission of strawberry yellows. *Plant Dis. Repr.* 35. 1951, 179—180.
- Miller, P. W., Wild strawberries as a source of strawberry virus infection. *Plant Dis. Repr.* 35. 1951, 129—130.
- Miller, P. W., and Aldrich, F. D., Studies on the detection of viruses in the leaves of strawberries by the Lindner staining procedure. *Plant Dis. Repr.* 35. 1951, 131—133, 2 fig.
- Prentice, I. W., Rubus stunt, a disease of raspberries. *J. hort. Sci.* 26. 1951, 35—42.
- Prentice, I. W., and Woolcombe, T. M., Resolution of strawberry virus complexes. IV. The latent period of virus 3 in the vector. *Ann. appl. Biol.* 38. 1951, 389—394.
- Reid, R. D., June yellows in Auchincruive Climax strawberries. *Grower, London*, 35. 1951, 1160—1161, 1163.
- Schwartz, C. D., and Myhre, A. S., Results of grafting Northwest and Marshall strawberry plants to a virus indicator. *Proc. amer. Soc. hort. Sci.* 58. 1951, 80—90, 5 fig.
- Thornberry, H. H., Vatter, A. E., and Beeson, D. M., Viruslike particles in strawberry plants with foliar variegation. *Phytopathology* 41. 1951, 35.
- Wilcox, R. B., Tests of cranberry varieties and seedlings for resistance to the leafhopper vector of false-blossom disease. [*Chorogonus vaccinii*] *Phytopathology* 41. 1951, 722—735, 1 fig.
- Current and gooseberry aphids. *Minist. Agric., Fish., London, Adv. Leaf.* 176. 1951, 5 p.
- Schalenobst**
Shell fruits — Fruits à coques
Allgemeiner Teil
General part — Partie générale
- Childs, J. F. L., and Suit, R. F., Symposium of certification of disease-free nursery stock. I—II. *Citrus Ind.* 32. 1951, nr. 9, p. 6—9, 16.
- Ciccarone, A., Un »marciume basale« dei frutti di mandarino e di arancio. *Boll. Staz. Pat. veg., Roma*, 7 (ser. 3). 1951, 123—125, 1 fig.
- Fletcher, W. A., Citrus pests and diseases in New Zealand: recognition and control. *New Zealand Dept. Agric. Bull.* 20. 1951, 24 p.
- Goidanich, G., e Pupillo, M., La membranosi dei frutti di limone. *Riv. Ortoflorofrutt. ital., Firenze*, 35 (76). 1951, 66—69, 4 fig.
- Griffiths, J. T., Stearns, C. R., and Thompson, W. L., Possibilities for the use of concentrated sprays on citrus in Florida. *Florida State hort. Soc. Proc.* 63 (1950). 1951, 53—59.
- Guzmán, V. L., El problema de los paltos y naranjos en Chanchamayo. [diseases] *Vida Agric., Lima*, 28. 1951, 937, 941, 943, 945—946.
- Kesterson, J. W., Stearns jr., C. R., and Hendrickson, R., Studies on citrus by-products prepared from fruit sprayed with parathion. *Citrus Mag.* 13. 1951, nr. 6, p. 36—37.
- Klotz, L. J., Citrus disease investigations. *Calif. Citrogr.* 36. 1951, 440, 466—468.
- Lawrence, F. P., Five citrus diseases known to be transmitted through buds. *Citrus Mag.* 14. 1951, nr. 3, p. 29—30.
- McAlpin, D. M., The secret of long-lived citrus trees. *Queensl. Prod.* 33. 1951, nr. 19, p. 6.
- Oxenham, B. L., Citrus fruit diseases and their control. *Queensland Fruit, Veg. News* 1. 1951, nr. 42, p. 7—8.
- Oxenham, B. L., Citrus fruit diseases and their control on North Coast orchards. *Queensland Prod.* 33. 1951, nr. 7, p. 17—18.
- Prosser, D. S., Stearns, C. R., Thompson, W. L., and Griffiths, J. T., The Florida citrus grove duster. *Florida agric. Exp. Stat. Bull.* 481. 1951, 15 p.
- Rebour, H., Parasitisme sur agrumes en 1951. *Fruits et Primeurs Afr. Nord* 21. 1951, 168.
- Reuther, W., and Smith, P. F., Tissue analysis as an aid in evaluating the nutritional status of citrus trees. *Proc. Rio Grande Valley hort. Inst.* 5. 1951, 34—45.
- Waibel, C., The program of certification of citrus budwood. *Citrus Ind.* 32. 1951, nr. 12, p. 8—9, 18.
- Waibel, C. W., Nursery inspection in the Lower Rio Grande Valley. [citrus] *Proc. Rio Grande Valley hort. Inst.* 5. 1951, 64—68.
- Plant-quarantine import restrictions of the French Zone of Morocco; importation of citrus plants prohibited. *U.S. Dept. Agric., Bur. Ent., Plant Quar.*, 444. 1951, 1 p.
- Nichtparasitäre Krankheiten**
Diseases not caused by parasites
Maladies non parasitaires
- Aldrich, D. G., and Coony, J. J., Lemon response to phosphate. Part I. Vegetative growth stimulated by soil applications of phosphate to trees showing leaf symptoms of deficiency. Part II. Substantial increase of yield followed application of phosphate in trials in two countries. *Calif. Agric.* 5. 1951, nr. 2, p. 5, 12; nr. 3, p. 8, 1 fig.

- Aldrich, D. G., Vanselow, A. P., und Bradford, G. R.,** (Lithiumgiftigkeit in Citrus.) Soil Sci. 71. 1951, 291—295.
- Bartholomew, E. T., Carman, G. E., and Stewart, W. S.,** Invisible injury of citrus; insecticide tests indicate that oil sprays lower soluble solids in juice and reduce dry matter in leaves. Calif. Agric. (Calif. Stat.) 5. 1951, nr. 10, p. 5.
- Bartholomew, E. T., Stewart, W. S., and Carman, G. E.,** Some physiological effects of insecticides on citrus fruits and leaves. Bot. Gaz. 112. 1951, 501—510.
- Blondel, L.,** Lutte contre la chute prématurée des oranges «Portugaise» à l'aide de phytohormones. Fruits, Primeurs Afr. Nord 21. 1951, 367—369.
- Blondel, L.,** Soins urgents à apporter aux agrumes victimes des fortes pluies d'octobre. Rev. agric. Afr. Nord 49. 1951, 798—799.
- Brooks, F. A., Kelly, C. F., Rhoades, D. G., and Schultz, H. B.,** Heat transfer in citrus groves; frost protection studies of effectiveness of wind machines alone and in combination with heaters. Calif. Agric. 5. 1951, nr. 8, p. 5, 14—15.
- Burdick, E. M.,** Symptoms of freeze damage in citrus fruit. Rio Grande Valley hortic. Inst. Proc. 5. 1951, 117—120.
- Calavan, E. C.,** The incidence of lemons shell bark in budlings from closely related sources. Phytopathology 41. 1951, 936.
- Chapman, H. D., and Rayner, D. S.,** Effect of various maintained levels of phosphate on the growth, yield, composition and quality of Washington Navel oranges. [phosphorus deficiency] Hilgardia 20. 1951, 325—358, 6 tab. col.
- Crescimano, F. G.,** (Effects of hormone treatments on mandarin preharvest drop.) Riv. Ortoflorofruttic. ital. 35 (76). 1951, 270—272.
- Davison, R. M., and Cederman, J. A.,** To reduce pre-harvest drop of sweet oranges. [2, 4-D] Orchardist Of N. Z. March 1951, 2 p.
- DuCharme, E. P., Knorr, L. C., y Banfi, A.,** Daños causados a los citrus por el 2, 4-D. IDIA (Inform. Invest. agric., Argentina) 4. 1951, nr. 44, p. 12—14.
- Erickson, L. C.,** Effects of 2, 4-D on drop of sound and unsound Washington Navel oranges. Proc. amer. Soc. hortic. Sci. 58. 1951, 46—52.
- Gardner, F. E., Reece, P. C., and Horanic, G. E.,** The effect of 2, 4-D on pre-harvest drop of citrus fruit under Florida conditions. Florida State hortic. Soc. Proc. 63 (1950). 1951, 7—11.
- Gates, C. M., and Soule jr., M. J.,** A survey of diseases lethal to Tahiti (Persian) limes in Dade County. Florida State hortic. Soc. Proc. 63 (1950). 1951, 225—228.
- Haas, A. R. C.,** Phosphate deficiency symptoms in lemon leaves in controlled cultures. Calif. Citrogr. 36. 1951, 441, 460.
- Heymann-Herschberg, L.,** Magnesium deficiency of Shamouti orange trees and its treatment. Palestine J. Bot. (Rehovot ser.) 8. 1951, 76—83.
- Jones, L. T.,** Spraying to control pre-harvest drop in Washington navel oranges. J. west. Austr. Dept. Agric. (ser. 2). 1951, nr. 28, p. 72—76.
- King, C. J.,** NSW (New South Wales, Australia) forecast, tree damage and fruit loss on low lying rainfall areas. Citrus News 27. 1951, 52—53.
- Kocherzhenko, I. E., Kholodnyi, N. G., and Shumakova, R. R.,** (Physiological experiments in increasing the frost resistance and crop of citrus.) Trudy Glav. Bot. Sad. 2. 1951, 26—58.
- Lespès, L.,** Note sur la gommose et la psorose des orangers. Chambre franç. Agric. Régions Rabat, Rharrb., Ouezzane Bull. 17. 1951, 2897.
- Lyon, A. V.,** Citrus nutrition, variations in requirements indicated by deficiencies according to soil and climate. Citrus News 27. 1951, 149.
- Maxwell, N. P.,** Pruning tests with freeze-damaged citrus trees in the Lower Rio Grande Valley. Texas agric. Exp. Stat. Progr. Rept. 1343. 1951, 4 p.
- Rohrbaugh, P. W., and Maxwell, N.,** Present status of citrus trees damaged by the freeze of January 30, 31, 1949. Rio Grande Valley hortic. Inst. Proc. 5. 1951, 109—116.
- Schneider, H., Foote, F., and Masters, L. C.,** Avoid sieve-tube necrosis when selecting lemon budwood. Calif. Citrogr. 36. 1951, 224, 261.
- Schneider, H., Foote, F., and Masters, L. C.,** New angel on collapse. Citrus Leaves 31. 1951, nr. 4, p. 10—11, 35.
- Scott, W. C.,** Some effects of freezes of the past season in the Rio Grande Valley. In: Conference on Citrus Processing, Winter Haven, Fla., 1951. U.S. Citrus Prod. Stat., Winter Haven, 1951, Abstr. Pap., Discuss. p. 12—13.
- Smith, P. F., and Reuther, W.,** The response of young Valencia orange trees to differential boron supply in sand culture. Plant Physiol. 26. 1951, 110—114.
- Trumble, H. P. C.,** Zinc oxide and citrus leaf drop. [mottle leaf control] J. Dept. Agric. South Austr. 55. 1951, 214—216, 4 fig.
- Trumble, H. P. C.,** Zinc sprays for citrus mottle leaf control. Grower, Adelaide, 5. 1951, nr. 11, p. 31—32.
- Turrell, F. M., and Scott, F. M.,** Effect of elemental sulfur dust on growth of citrus leaves and its relation to the buffer capacity of the leaf-tissue fluid. Amer. J. Bot. 38. 1951, 560—566.

Pflanzliche Feinde

Vegetal parasites — Parasites végétaux

- Basanta, E. A.**, La sarna de las frutas cítricas (Pleospora hesperidearum). Pampa Argentina 24. 1951, nr. 280, p. 11.
- Brichet, J.**, Le »citrus blast« et le »black pit«. [Pseudomonas citriputeale on citrus] Fruits et Primeurs Afr. Nord 21. 1951, 195—196, 2 fig.
- Cárdenas, M.**, and **Jenkins, A. E.**, Record of Elsinoë australis in Bolivia. Plant Dis. Reprtr. 35. 1951, 461.
- Childs, J. F. L.**, Rio Grande gummosis; its occurrence in Florida citrus. Florida State hort. Soc. Proc. 63 (1950). 1951, 32—36. — Citrus Mag. 13. 1951, nr. 8, p. 18—20.
- Chowdhury, S.**, Citrus canker in Assam. [Phytophthora (Xanthomonas) citri] Plant Prot. Bull., New Delhi, 3. 1951, nr. 3, p. 78—79.
- Chowdhury, S.**, »Felt« disease of citrus in Assam. [Septobasidium pseudopedicellatum] Sci. and Cult. 17. 1951, 264—265, 1 fig.
- Chowdhury, S.**, Gummosis of citrus in Assam. Sci. and Cult. 16. 1951, 570—571, 1 fig.
- Christie, J. R.**, and **Owen, J. H.**, Occurrence of black rot of oranges in Florida. Phytopathology 41. 1951, 7.
- Crandall, B. S.**, y **Abrego, L.**, Gomosis de los citrus. Cent. Nac. Agron. C. Agr. 45. 1951, 6 p.
- Crescimano, F. G.**, Effetti di trattamenti ormonali sulla cascola del mandarino. Riv. Ortoflorifruttic. ital. 35 (76). 1951, 270—272.
- Day, B. E.**, Chemical weed control. Calif. Citrogr. 36. 1951, 354, 374—375.
- De Carvalho, T.**, O »cancro dos citrinos« na Beira. (Citrus canker in Beira.) [Xanthomonas citri] Gazz. agric., Moçambique, 3. 1951, 170—176, 2 fig., 2 tab. geogr.
- DuCharme, E. P.**, Cancrosis B of lemons. Citrus Mag. 13. 1951, nr. 9, p. 18—20.
- Fedorintschik, N. S.**, (Infektiöses Vertrocknen (»mal secco«) des Citrus und Maßnahmen seiner Bekämpfung.) [Deuterophoma tracheiphila] (Arb. allruss. Inst. Pfl.schutz, Moskau-Leningrad), Liefg. 3. 1951, 125—142, 5 Abb.
- Fraser, L.**, Florida gummosis disease found in Curlwaa orchards. Agric. Gaz. New South Wales 62. 1951, 280.
- Fraser, L.**, Phytophthora root rot of citrus. New South Wales Dept. Agric. Plant Dis. Leaflet. 97. 1951, 5 p.
- Frézal, P.**, L'acarirose pédonculaire des fruits d'agrumes. [Colletotrichum gloeosporioides, Cladosporium] Rev. Agric. Afr. Nord 49. 1951, 236—238.
- Goidanich, G.**, e **Ruggieri, G.**, Effetti del freddo e »mal secco« negli agrumeti siciliani. [Deuterophoma tracheiphila] Boll. Staz. Pat. veg., Roma, 7 (ser. 3). 1951, 43—49, 6 fig.
- Jenkins, A. E.**, and **Watson, A. J.**, Interceptions of Sphaceloma punicea from foreign sources. [Punica granatum L.] Plant Dis. Reprtr. 35. 1951, 415—416, 1 fig.
- Kiely, T. B.**, Black spot of citrus. [Guignardia citricarpa.] New South Wales Dept. Agric. Plant Dis. Leaflet. 11. 1951, 7 p.
- Kijashchko, P. J.**, (Über die toxische Wirkung des Pilzes Deuterophoma tracheiphila Petri, des Erregers des infektiösen Vertrocknens (»mal secco«).) (Arb. allruss. Inst. Pfl.schutz, Moskau-Leningrad), Liefg. 3. 1951, 176—177, 1 Abb.
- Klotz, L. J.**, Fighting brown rot; problems of controlling brown rot gummosis of citrus trees and brown rot of the fruits. Citrus Leaves 31. 1951, 8—9.
- Lamour, R.**, Le mandarinier: ce centenaire algérien! (The mandarin: that Algerian centenarian!) [resistance to Deuterophoma tracheiphila] Fruits et Primeurs Afr. Nord, Casablanca, 21. 1951, 197—200, 6 fig.
- Lauriol, F.**, Quelques aspects de la lutte contre les Penicillium des agrumes. Fruits d'outre mer 6. 1951, 412—420, 8 fig.
- Lucie-Smith, M. N.**, The cultivation of West Indian limes. [Elsinoë fawcetti, Gloeosporium limeticola, Phytophthora spp.] J. agric. Soc. Trinidad Tobago 51 (Suppl.). 1951, 2—14, 3 fig.
- Malaguti, G.**, Epifitias de »tizón« en plantas cítricas causadas por Phytophthora parasitica. (Epiphytotics of »blight« in citrus plants caused by Phytophthora parasitica.) Agron. trop., Maracay, 1. 1951, 213—226, 3 fig.
- Meith, H. C.**, Twig dieback of orange trees in Tulare County. Calif. Citrogr. 36. 1951, 440, 464. — Citrus Leaves 31. 1951, nr. 9, p. 14.
- Moreau, C.**, et **Moreau, M.**, Phytophthora parasitica Dastur. Gommose. Pourriture brune des agrumes. Rev. Mycol. 16. 1951, Suppl. colon. 2, Fiche 5, 7 p., 2 fig.
- Nadel-Shiffman, M.**, Une contribution à la pathogénie du Penicillium digitatum et du Penicillium italicum sur les fruits des agrumes. Rev. Path. vég. Ent. agric. France 30. 1951, 228—231.
- Nadel-Shiffman, M.**, L'influence de la température et de la pluviosité sur l'apparition des différentes espèces de Phytophthora. [Ph. hibernalis, Ph. parasitica, Ph. citrophthora] Rev. Path. vég. Ent. agric. France 30. 1951, 232—237, 3 fig.
- Olson, E. O.**, Tip blight of citrus seedlings in the Lower Rio Grande Valley. [Phytophthora] Proc. Rio Grande Valley hort. Inst. 5. 1951, 72—76, 2 fig.

- Olson, E. O., and Waibel, C. W., Studies on the transmission of Rio Grande gummosis of grapefruit. Proc. Rio Grande Valley hortic. Inst. 5. 1951, 53—59.
- Poljakow, J. M., und Schumakowa, A. A., (Erforschung der toxischen Eigenschaften des Pilzes *Deuterophoma tracheiphila* Petri.) [Citrus] (Arb. allruss. Inst. Pfl.schutz, Moskau-Leningrad), Liefg. 3. 1951, 165—175, 1 Abb.
- Rieuf, P., Le mildiou des agrumes. Rev. Agric. Afr. Nord 49. 1951, 790—792.
- Rieuf, P., Le »mildiou des agrumes« gommose parasitaire des arbres, pourriture brune des fruits. [Phytophthora] Terre marocaine 25. 1951, 222—223. — Voix Colons, Algeria, 33. 1951, nr. 1620, p. 2.
- Rossetti, V., e Bitancourt, A. A., Estudos sobre a »gomose de Phytophthora« dos Citrus. II. Influencia do estado de vegetação do hospedeiro nas lesões experimentais. (Studies on Phytophthora gummosis of citrus. II. Influence of the state of vegetation of the host on the size of experimental lesions.) Arq. Inst. Biol., São Paulo, 20. 1951, 73—94, 3 fig., 5 tab.
- Scaramuzzi, G., Segnalazione della »piticchia batterica« del limone in Liguria. (Report of »bacterial pit« of lemons in Liguria.) [Bacterium (Pseudomonas) syringae] Not. Mal. Piante nr. 15. 1951, 46—49.
- Scasso, J. M., La defensa de las plantaciones cítricas. Los frutales cítricos considerados del punto de vista sanitario. (The protection of citrus plantations. Citrus fruits considered from the sanitary point of view.) [Phytophthora parasitica, P. palmivora, P. citrophthora] Alm. Minist. Agric. Nación, Buenos Aires, 1951—52. 1951, 291—301, 5 fig.
- Schalychkina, W. J., (Über die Widerstandsfähigkeit von *Deuterophoma tracheiphila* Petri, dem Erreger des infektiösen Vertrocknens des Citrus (»mal secco«).) (Arb. allruss. Inst. Pfl.schutz, Moskau-Leningrad), Liefg. 3. 1951, 153—164.
- Schneider, J. I., (Ergebnisse der Untersuchung der bakteriellen Nekrose bei Citrusfrüchten.) [Bacterium citriputeale] (Mikrobiologie), Moskau, 20. 1951, 41—51.
- Stepanow, K. M., (Über Ansteckungstypen des Citrus durch das infektiöse Vertrocknen [»mal secco«].) [Deuterophoma tracheiphila] (Arb. allruss. Inst. Pfl.schutz, Moskau-Leningrad), Liefg. 3. 1951, 143—152.
- Tosco, U., Sulla penetrazione di *Penicillium digitatum* Sacc. e *Penicillium italicum* Wehmer nei frutti degli agrumi. Nuovo Giorn. bot. ital. 58. 1951, 441—449, 3 fig.
- Verneau, R., Forti danni da *Phytophthora syringae* Leonian nei limoneti della Costiera Amalfitana. Not. Mal. Piante nr. 15. 1951, 1.
- Wager, V. A., Spraying for the control of black spot in citrus. Citrus Grower 206. 1951, 10—12.
- Winston, J. R., Meckstroth, G. A., Roberts, G. L., and Cubbage, R. H., Fungicidal screening tests for the control of decay in Florida oranges. U.S. Dept. Agric., Bur. Plant Ind., Soils, agric. Engin., Rept. 253. 1951, 26 p.
- Zambettakis, C., *Diplodia natalensis* Pole Evans. Stem-end rot des agrumes. Rev. Mycol., Suppl. colon., 16. 1951, nr. 1 (Fiche 4), 7 p., 3 fig.

Tierische Feinde

Animal parasites — Parasites animaux

- Ackermann, E., Erfahrungen über die Mittelmeer-Fruchtfliege (*Ceratitis capitata* Wied.) bei Citrus-einführen. Pflanzenschutz, München, 3. 1951, 78—80, 6 Abb.
- Atkins jr., E. L., Control of orangeworms; cryolite, DDD, parathion found most effective against four main species of orangeworms in southern California. [Argyrotaenia citrana, Pyroderces rileyi, Holcocera iceryaella, Platynota stultana] Calif. Agric. 5. 1951, nr. 6, p. 4, 15.
- Atkins jr., E. L., Fruit tree leaf roller (*Archips argyrospila*) on citrus. Calif. Citrogr. 36. 1951, 246, 254.
- Atkins jr., E. L., Fruit tree leaf roller (*Archips argyrospila*) on citrus; experimental field trials conducted in Pomona-Ontario area for control with the newer available insecticides. Calif. Agric. (Calif. Stat.) 5. 1951, nr. 5, p. 6, 14.
- Atkins jr., E. L., Spray tests on citrus to control fruit tree leaf roller. [Archips argyrospila] J. econ. Ent. 44. 1951, 82—87.
- Baines, R. C., and Clark, O. F., Citrus root nematode. Citrus Leaves 31. 1951, nr. 12, p. 16—17. — Calif. Citrogr. 37. 1951, nr. 2, p. 60, 62, 86.
- Bartlett, B., and Ewart, W. H., Effect of parathion on parasites of *Coccus hesperidum*. [Metaphycus luteolus] J. econ. Ent. 44. 1951, 344—347.
- Berry, N. O., The citrus black fly (*Aleurocanthus woglumi*). Assoc. south. Agric. Workers Proc. 48. 1951, 95.
- Berry, N. O., Progress report on the citrus blackfly (*Aleurocanthus woglumi*) surveys in Mexico. Rio Grande Valley hortic. Inst. Proc. 5. 1951, 81—82.
- Bodenheimer, F. S., Citrus entomology in the Middle East with special references to Egypt, Iran, Irak, Palestine, Syria, Turkey. W. Junk, Den Haag 1951. XII + 663 p., 154 fig., 43 tab.
- Böhm, H., Ein neuer Fruchtschädling! [Mittelmeer-fruchtfliege] Pflanzenarzt, Wien, 4. 1951, Nr. 10, S. 3—4.

- Bondar, G.**, (Two new pests of Bahian citrus culture.) [Naupactus cariesignatus, Asynonychus bondari] Chacaras e Quintais 84. 1951, 594—595.
- Breakey, E. P.**, Natural control of the orange tortrix in western Washington. [Argyrotaenia citrana] J. econ. Ent. 44. 1951, 424.
- Bussart, J. E.**, Scale insects and control measures. Arborist's News 16. 1951, 121—127.
- Bynum, W. M.**, The desert damp-wood termite in the Lower Rio Grande Valley of Texas. [Kaloterмес (Paraneotermes) simplicicornis on citrus trees] J. econ. Ent. 44. 1951, 996—997, 1 fig.
- Cameron, A. E.**, Citrus problems, systemic insecticide offers possibilities of single control of a wide range of insect pests. Citrus News 27. 1951, 67, 77.
- Cameron, A. E.**, White fly (*Dialeurodes citri*) spraying trials to reduce insect plague in Mildura District. Control of snails. Citrus News 27. 1951, 138.
- Carbonell, C. S.**, Ensayo de emulsiones de aceite mineral contra la cochinilla roja australiana, *Aonidiella aurantii* (Maskell), en el Uruguay. Mexico Ofic. Estud. Espec. Fol. Misc. 4. 1951, 178—204.
- Carman, G. E., Ewart, W. H., Jeppson, L. R., Atkins, E. L., and Ortega, J. C.**, Parathion for citrus pests in southern California. Calif. Citrogr. 36. 1951, 487, 504, 506.
- Carman, G. E., and Metcalf, R. L.**, Safe handling of Parathion, TEPP, and other organic phosphorous insecticides with reference to use on citrus in California. Citrus Leaves 31. 1951, nr. 10, p. 20—26.
- Chaturvedi, P. L.**, Biology and control of fruit sucking moths of citrus in the Uttar Pradesh. Agric. Anim. Husb. 1. 1950/51, nr. 7/8, p. 21—23.
- Coit, J. E.**, Ants and citrus pests. Calif. Citrogr. 36. 1951, 521.
- Cooley, C. E.**, Alien insect enemies boost America's food costs. Citrus Ind. 32. 1951, nr. 12, p. 4, 13—14.
- Cooper, J. F.**, Citrus blackfly (*Aleurocanthus woglumi*) in Mexico worries Florida. Florida Grower 59. 1951, nr. 2, p. 11, 36.
- Costantino, G.**, (Control of the fruit fly (*Ceratitis capitata*.) Agric. Ital. 2. 1951, 215—219.
- DeBach, P.**, The necessity for an ecological approach to pest control on citrus in California. J. econ. Ent. 44. 1951, 443—447.
- DeBach, P.**, Possibilities in biological control of citrus pests. Rio Grande Valley hortic. Inst. Proc. 5. 1951, 77—80.
- DeBach, P., and Bartlett, B.**, Effects of insecticides on biological control of insect pests of citrus. J. econ. Ent. 44. 1951, 372—383, 3 fig.
- DeBach, P., Dietrick, E. J., and Fleschner, C. A.**, Ants and citrus pests; ant infestation of tree by restricting biological control causes leaf and crop reduction, and smaller fruit sizes. Calif. Agric. 5. 1951, nr. 7, p. 7, 14.
- Dickson, R. C.**, Construction of the scale covering of *Aonidiella aurantii* (Mask.). Ann. ent. Soc. Amer. 44. 1951, 596—602, 2 fig.
- Di Martino, E.**, Sulla «fetola» degli agrumi. (On the «fetola» of citrus fruits.) [Empoasca decedens] Ann. Sperim. agr., Roma, n. ser. 5. 1951, 1423—1432, 1 tab. col.
- Domenichini, G.**, (Parasites and hyperparasites of *Pseudococcus citri* Risso in Italy and Peru.) [Aeniasius masii, Grandoriella lamasi] Boll. Zool. agric., Bachicoltura. 17. 1951, 157—180.
- Ebeling, W.**, Citrus pests in California. Calif. Citrogr. 37. 1951, 4—5, 20, 22—24, 50, 81—84.
- Elmer, H. S., Ewart, W. H., and Carman, G. E.**, Abnormal increase of *Coccus hesperidum* in citrus groves treated with parathion. J. econ. Ent. 44. 1951, 593—597.
- Elmer, H. S., Ewart, W. H., and Carman, G. E.**, Abnormal increase of soft (brown) scale (*Coccus hesperidum*). Calif. Citrogr. 37. 1951, 34—35.
- Elmer, H. S., Ewart, W. H., and Carman, G. E.**, Brown scale (*Coccus hesperidum*) flare-up; parathion treatments seem to have interfered with predator activity. Citrus Leaves 31. 1951, nr. 11, p. 9.
- Ewart, W. H., and Elmer, H. S.**, Citricola scale (*Coccus pseudomagnoliarum*) control; tests find parathion a control agent of outstanding promise in commercial navel and Valencia orange groves. Calif. Agric. (Calif. Stat.) 5. 1951, nr. 10, p. 7, 14.
- Ewart, W. H., Elmer, H. S., and Gunther, F. A.**, Parathion treatments for the control of citricola scale on citrus in California. [*Coccus pseudomagnoliarum*] J. econ. Ent. 44. 1951, 598—603.
- Fisher, F. E.**, An *Entomophthora* attacking citrus red mite. Florida Ent. 34. 1951, nr. 3, p. 83—88, 1 fig.
- Flinders, S. E.**, Citrus mealybug (*Pseudococcus citri*), four new parasites studied in biological control experiments. Calif. Agric. 5. 1951, nr. 7, p. 11.
- Fleschner, C. A., and Badgley, M. E.**, Natural control of the citrus rust mite (*Phyllocoptura oleivora*). Calif. Citrogr. 36. 1951, 396.
- Gerhardt, P. D., and Lindgren, D. L.**, Resistance to fumigation; studies of outbreak in southern California reveal resistance to hydrogen cyanide fumigation persists. [*Coccus pseudomagnoliarum*] Calif. Agric. (Calif. Stat.) 5. 1951, nr. 10, p. 7, 11—12.

- Giannotti, O., and Puzzi, D.**, (Spraying of orange trees with modern insecticides and their effects on the population of two scale insects (*Chrysomphalus ficus* and *Lepidosaphes beckii*.) *Biológico*, São Paulo, 17. 1951, 171—178.
- Greenberg, A.**, (Citrus pests in 1950 and preparations for their control in 1951.) *Hassadeh* [hebr.] 31. 1951, 447—450.
- Greenberg, A.**, (Spraying of citrus groves against black scale (*Saissetia oleae*.) *Hassadeh* (hebr.) 31. 1951, 567—568.
- Griffiths, J. T.**, Insects of occasional importance on Florida citrus and their control. *Citrus Mag.* 13. 1951, nr. 13, p. 25—26.
- Griffiths, J. T.**, Possibilities for better citrus insect control through the study of the ecological effects of spray programs. *J. econ. Ent.* 44. 1951, 464—468, 2 fig.
- Griffiths, J. T., Stearns jr., C. R., and Thompson, W. L.**, Parathion hazards encountered spraying citrus in Florida. *J. econ. Ent.* 44. 1951, 160—163, 1 fig.
- Griffiths, J. T., Thompson, W. L., and Pratt, R. M.**, 1950 citrus insects in review. *Citrus Mag.* 13. 1951, nr. 6, p. 32—33, 38.
- Griffiths, J. T., Williams, J. W., Thompson, W. L., and Stearns jr., C. R.**, Toxicology of parathion and other phosphatic insecticides and precautions for their use on citrus. *Florida agric. Exp. Stat. Bull.* 479. 1951, 24 p.
- Guennelon-Aubanel, G.**, Remarques sur l'origine des gaines de nutrition d'un Hémiptère phytophage, *Pseudococcus citri* Risso. *Compt. rend. Acad. Sci., Paris*, 232. 1951, 559—560.
- Gustafson, C. D.**, Ant control in citrus and avocado orchards. *Calif. Citrogr.* 36. 1951, 475.
- Islas S., F.**, Breve estudio morfológico del imago de la mosca prieta de los cítricos (*Aleurocanthus woglumi* Ashby). *Insecta, Homoptera, Aleyrodidae*. *An. Mexico Inst. Biol.* 22. 1951, 313—322.
- Jeppson, L. R.**, Bis-(p-chlorophenoxy)-methane in relation to the control of citrus red mite and other mites injurious to citrus in California. [*Paratetranychus citri*, *Tetranychus sexmaculatus*, *T. lewisi*, *Aceria sheldoni*, *Phyllocoptura oleivora*] *J. econ. Ent.* 44. 1951, 328—337, 8 fig.
- Jeppson, L. R.**, New acaricides for control of citrus red mite, 1948—1950. [*Paratetranychus citri*] *J. econ. Ent.* 44. 1951, 823—832, 1 fig.
- Juarez Montegrifo, F.**, Lucha contra la mosca de las frutas (*Ceratitis capitata*). *Cam. Ofic. Sind. Agr. Prov. Murcia Bol.* 107. 1951, 2—4.
- Kearful, J.**, Nature's co-worker, mail-order ladybugs (*Cryptolaemus montrozieri*) fight citrus pests. *Oregon Farmer* 3. 1951, nr. 5, p. 30—31.
- Latif, A., and Yunus, Ch. M.**, Food-plants of citrus leaf-miner (*Phyllocnistis citrella* Stn.) in the Punjab. *Bull. ent. Res.* 42. 1951, 311—316.
- Latif, A., and Yunus, Ch. M.**, Observations on the relationship between citrus leaf-miner (*Phyllocnistis citrella* Stn.) and citrus canker (*Pseudomonas citri* Hasse). *Indian J. Ent.* 12 (1950). 1951, 27—29.
- Lindgren, D. L., and Sinclair, W. B.**, Tolerance of citrus and avocado fruits to fumigants effective against the oriental fruit fly. [*Dacus dorsalis*] *J. econ. Ent.* 44. 1951, 980—990, 9 fig.
- Manefield, T., and McDougall, W. A.**, The citrus gall wasp and sodium fluoroacetate (>1080c). [*Eurytoma fellis*] *J. austr. Inst. agric. Sci.* 17. 1951, 220—221.
- Martin, H., and Alibert, H.**, Observations et résultats en Algérie sur *Ceratitis capitata* Wied. *Rev. Agric. Afr. Nord* 49. 1951, 556—558.
- Martin, H., et Alibert, H.**, Observations sur *Ceratitis capitata* Wied. en Algérie et résultats obtenus sur agrumes dans la lutte contre cet insecte. *Compt. rend. Acad. Agric. France* 37. 1951, 129.
- Mesa Carrion, F.**, Cochinilla roja australiana, *Aonidiella aurantii* (Mask). Uruguay. *Minist. Ganad. Agr. Bull. Inform.* 384. 1951, 13.
- Monceau, G.**, La lutte contre la mouche des fruits. [*Ceratitis capitata*] *Réveil Agric.* 60. 1951, 198—199.
- Plummer, C. C.**, Estudios adicionales sobre DDT para el control de la mosca prieta (*Aleurocanthus woglumi*) de los cítricos. *Mexico Ofic. Estud. Espec. Fol. Misc.* 4. 1951, 211—224.
- Réal, P.**, Note préliminaire sur *Argyroploce luecotreta* Meyrick en A.E.F. et en A.O.F. *Rev. Path. vég. Ent. agric. France* 30. 1951, 56—60, 1 fig.
- Roberts, R.**, Practical points in the control of California red scale (*Aonidiella aurantii*). *J. Dept. Agric. Victoria* 49. 1951, 582—584.
- Rubzow, I. A.**, (Aphytis chrysomphali Mercet ein Parasit von *Chrysomphalus dictyospermi* Merg.) (Ent. Übersicht), Moskau u. Leningrad, 31. 1951, 435—449, 4 Abb.
- Schilling, W. E., and Lafollette, J. R.**, Annual citrus pest control program in Sacramento Valley. *Calif. Citrogr.* 36. 1951, 516—517.
- Shaw, J. G., and Ortiz, M.**, Dips for the citrus blackfly as a possible treatment for Mexican limes boxed for export. [*Aleurocanthus woglumi*] *J. econ. Ent.* 44. 1951, 660—665, 1 fig.
- Sloan, G. D.**, Scale (*Chrysomphalus aonidum*?). *Citrus Mag.* 13. 1951, nr. 10, p. 19—20.

- Smirnow, W.**, Aperçu sur le développement de quelques cochenilles parasites des agrumes au Maroc. [Lepidosaphes beckii, L. gloverii, Chrysomphalus dictyospermi, Parlatoria zizyphus] Morocco Serv. Déf. Vég. Trav. Orig. 1. 1951, 29 p.
- Smirnow, W.**, La cochenille »pou rouge« (Chrysomphalus dictyospermi) dans les cultures d'agrumes au Maroc. Terre marocaine 25. 1951, 402–406.
- Spencer, H.**, and **Norman, P. A.**, Experiments on control of the citrus red mite (purple mite) (Paratetranychus citri); second report. Florida Ent. 34. 1951, 3–5.
- Stearns jr., C. R.**, **Griffiths, J. T.**, **Bradley, W. R.**, and **Thompson, W. L.**, Concentration of parathion vapor in groves after spraying and effects of the vapor on small animals. Citrus Mag. 13. 1951, nr. 13, p. 22–23.
- Stearns jr., C. R.**, and **Thompson, W. L.**, The effect of incompatible parathion-wettable sulfur spray combinations on insecticide deposit and on scale mortality. Citrus Ind. 32. 1951, nr. 2, p. 3–4, 16–17.
- Stepanov, K. M.**, (Can the bark beetle, Hypothenemus lezhavai, disseminate the infectious drying up of lemons (»mal secco«)?) [Deuterophoma tracheiphila] Mikrobiologija, Moskau, 20. 1951, 52–57.
- Steyn, J. J.**, The effect of low calcium, phosphorus or nitrogen on the life-cycle of red scale (Aonidiella aurantii Mask.). J. ent. Soc. south. Afr. 14. 1951, 165–170.
- Tardo, S.**, (Infestation of Mytilococcus gloverii Pack. in the orange groves of Palermo.) Giard. Colon. Palermo Bol. Studi Inform. 19. 1951, 116–123.
- Thompson, W. L.**, Important mites attacking citrus and their control. Citrus Mag. 13. 1951, nr. 11, p. 20–22.
- Thompson, W. L.**, and **Griffiths jr., J. T.**, The purple mite (Metatetranychus citri) and its control. Florida State hortic. Soc. Proc. 63 (1950). 1951, 42–47.
- Thompson, W. L.**, and **Griffiths jr., J. T.**, Suggestions for the conservation of sulfur in rust mite (Phyllocoptruta oleivora) control. Citrus Mag. 13. 1951, nr. 9, p. 23–27.
- Thompson, W. L.**, **Griffiths, J. T.**, and **Sites, J. W.**, A comparison of oil emulsion and parathion for the control of scale insects on citrus. Florida State hortic. Soc. Proc. 64. 1951, 66–71.
- Valent, A.**, Un fléau des vergers, la mouche méditerranéenne des fruits (Ceratitis capitata). Bull. Engrais 330. 1951, 71–73.
- Wene, G. P.**, Control of the Texas citrus mite (Eutetranychus clarki). Rio Grande Valley hortic. Inst. Proc. 5. 1951, 83.
- Wene, G. P.**, Use of cyanamid defoliant as a control for California red scale (Aonidiella aurantii). [citrus] Rio Grande Valley hortic. Inst. Proc. 5. 1951, 84.
- Wigglesworth, V. B.**, Insects and human affairs. Calif. Citrogr. 36. 1951, 439, 462, 464.
- Winter, G.**, Marienkäfer vertilgt Orangenschildlaus. Die natürliche Bekämpfung der Pflanzenschädlinge. Neue Ztg., Berliner Ausgabe, 18. 11. 1951, 1 S.
- Wright, W. H.**, Red scale eradication, Hemet and Coachella valleys. [Aonidiella aurantii] Calif. Dept. Agric. Bull. 40. 1951, 30–31.
- Yust, H. R.**, Studies on improving the distribution of hydrocyanic acid in citrus fumigation. [Aonidiella aurantii] U.S. Dept. Agric. Bur. Ent., Plant Quar. E-822. 1951, 8 p.
- Yust, H. R.**, **Fulton, R. A.**, and **Nelson, H. D.**, Development and stability of resistance of California red scale to fumigation with hydrocyanic acid. [Aonidiella aurantii] J. econ. Ent. 44. 1951, 833–838, 2 fig.
- The citrus gall wasp (Eurytoma fellis). New South Wales Dept. Agric. Insect Pest Leaf. 66. 1951, 2 p.
- La mouche méditerranéenne des fruits. [Ceratitis capitata] Rev. rom. Agric., Vitic., Arboric. 7. 1951, 56.

Virus

- Bitancourt, A. A.**, Estudos sobre a »tristeza« dos citrus. II. Susceptibilidade das diversas combinações de enxertia de laranjeira doce e laranjeira azêda. (Studies on the »tristeza« disease of citrus. II. Susceptibility of the different stock-scion combinations of sweet orange and sour orange.) Arq. Inst. biol., São Paulo, 20. 1951, 39–52, 1 fig., 7 tab.
- Bitancourt, A. A.**, (Susceptibility to tristeza of citrus in different graft combinations of the sweet and sour orange.) Mexico Ofic. Estud. Espec. Fol. Misc. 4. 1951, 167–168.
- Bitters, W. P.**, and **Parker, E. R.**, Further horticultural aspects of Q.D. (quick decline). II. Citrus Leaves 31. 1951, nr. 6, p. 6–7, 38–39.
- Bitters, W. P.**, and **Parker, E. R.**, Horticultural aspects of quick decline. Calif. Citrogr. 36. 1951, p. 222, 264.
- Calavan, E. C.**, **White, F. A.**, **Schneider, H.**, and **Wallace, J. M.**, Collapse and decline of lemon trees. Calif. Citrogr. 37. 1951, nr. 2, p. 46–47, 63–64, 66, 4 fig. — Citrus Leaves 31. 1951, nr. 11, p. 6–8, 16–18, 38.
- Castellani, E.**, Brevi notizie sulla »tristeza« degli agrumi. (Brief notes on »tristeza« of citrus.) Riv. Agric. subtrop., trop. 45. 1951, 365–372, 2 fig.

- Chaffard, M.**, Le »quick decline« ou maladie de la »tristeza« des Aurantiacées. Colon. franç. Tunisie 44 (ser. 7). 1951, nr. 2220, p. 4; nr. 2221, p. 4.
- Chapot, H.**, Les viroses des agrumes en Afrique du Nord. Fruits d'outre mer 6. 1951, 477—479, 3 fig.
- Costa, A. S., and Grant, T. J.**, Studies on transmission of the tristeza virus by the vector, aphid citricidus. Phytopathology 41. 1951, 105—113, 1 fig.
- Couranjou, A.**, Échec à la psorose. [orange] Fruits et Primeurs Afr. Nord, Casablanca, 21. 1951, nr. 221, p. 2—5, 7 fig.
- Dickson, R. C., Flock, R. A., and Johnson, M. M.**, Identify quick decline virus vector. [Aphis gossypii] Citrus Leaves 31. 1951, nr. 2, p. 6—7, 32.
- Dickson, R. C., Flock, R. A., and Johnson, M. M.**, Insect transmission of citrus quick decline virus. [Aphis gossypii] Journ. econ. Ent. 44. 1951, 172—176.
- Dickson, R. C., Flock, R. A., and Johnson, M. M.**, An insect vector (Aphis gossypii) of the citrus quick decline disease. Calif. Citrogr. 36. 1951, 135, 169—170.
- Dickson, R. C., Flock, R. A., and Johnson, M. M.**, Quick decline virus; transmission tests indict the melon aphid (Aphis gossypii) as one vector of the disease. [citrus] Calif. Agric. 3. 1951, nr. 4, p. 5, 12.
- DuCharme, E. P.**, Naturaleza y control de la tristeza de los citrus. Rev. Invest. Agric. Argentina 5. 1951, 317—351.
- DuCharme, E. P., Knorr, L. C., y Banfi, A.**, La presencia del »stem pitting« en la Argentina. (The presence of »stem pitting« in Argentina.) [Citrus] Inform. Direcc. Invest. agric., B. Aires, 4. 1951, 15—20, 3 fig.
- DuCharme, E. P., Knorr, L. C., and Speroni, H. A.**, Observations on the spread of tristeza in Argentina. Citrus Mag. 13. 1951, nr. 9, p. 10—12, 14.
- DuCharme, E. P., and Suit, R. F.**, Xyloporosis of citrus in Florida. Plant Dis. Repr. 35. 1951, 556—557.
- Fernandez Valiela, M. V.**, Tristeza o podredumbre de los raicillas de los citrus en la República Argentina. (Tristeza or rootlet rot of citrus in the Argentine Republic.) Argent. Centr. Invest. agric., Reg. Pampeana, Publ. Téc. nr. 1. 1951, 63 fig., 2 tab. geogr.
- Gomez Clemente, F.**, Un virus en los naranjos y limoneros. Agricultura, Madrid, 20. 1951, nr. 225, p. 2—5.
- Grant, Th. J.**, Got to live with quick decline. Citrus Leaves 31. 1951, nr. 7, p. 11.
- Grant, Th. J., and Costa, A. S.**, A mild strain of the tristeza virus of citrus. Phytopathology 41. 1951, 114—122, 1 fig.
- Grant, Th. J., Costa, A. S., and Moreira, S.**, Tristeza disease of citrus in Brazil. Citrus Leaves 31. 1951, nr. 7, p. 8—10, 36—37. — Calif. Citrogr. 36. 1951, 310—311, 324—326, 328—329, 1 fig.
- Grant, Th. J., Costa, A. S., and Moreira, S.**, Variations in stem pitting on tristeza-inoculated plants of different citrus groups. Citrus Ind. 32. 1951, nr. 12, p. 5—7, 15, 18.
- Jaubert, P.**, »Tristeza« ou »quick decline des agrumes«. Centr. Rech. Agron., Bombay, Bull. 2. 1951, 49—56.
- Knorr, L. C., and DuCharme, E. P.**, The relationship between Argentina's lepra explosiva and Florida's scaly bark, with implications for the Florida citrus grower. Plant Dis. Repr. 35. 1951, 70—75, 4 fig.
- Knorr, L. C., and DuCharme, E. P.**, This is tristeza — ravager of Argentina's citrus industry. Citrus Mag. 13. 1951, nr. 6, p. 17—19.
- Knorr, L. C., DuCharme, E. P., y Banfi, A.**, La exocortis en los montes cítricos de la Argentina. (Exocortis in the citrus groves of Argentina.) [Poncirus trifoliata] IDIA (Inform. Direcc. Invest. agric., B. Aires), 4. 1951, nr. 45, p. 8—12, 1 fig.
- Knorr, L. C., DuCharme, E. P., and Banfi, A.**, The occurrence and effects of »stem pitting« in Argentina grapefruit groves. Citrus Mag. 14. 1951, nr. 2, p. 32—36.
- Kozlova, V. I.**, (Scaly bark of citrus and measures for controlling it.) [psorosis] Sad i Ogorod (Orchard and Garden) nr. 9. 1951, 49—50.
- Kozlova, V. I.**, (Scaly bark of citrus and measures preventing its spread.) [psorosis] Vsesoiuzn. Akad. Sel'skhoz. Nauk Dokl. 16. 1951, nr. 7, p. 36—40.
- Kuneyl, H.**, L'Argentine et le quick decline. Fruits et Primeurs Afr. Nord, Casablanca, 21. 1951, 117—120.
- Lamour, R.**, Viroses des agrumes en Afrique du Nord. Colon. franç. Tunisie 44. 1951, nr. 2181, p. 4.
- McClean, A. P. D.**, Virus infections of citrus in South Africa. Citrus Grower 207. 1951, 1—5.
- Malkin, J.**, (Tristeza — a disease of citrus trees.) Hassadeh (hebr.) 32. 1951, 28—30, 134—136.
- Rieuf, P.**, À propos de traitements de la psorose des agrumes. Fruits et Primeurs Afr. Nord, Casablanca, 21. 1951, 121—123.
- Speroni, H. A.**, El afrancamiento de las plantas cítricas enfermas de »tristeza«. (The self-rooting of citrus plants with »tristeza« diseases.) IDIA (Inform. Invest. agric., Argentina) 4. 1951, nr. 45, p. 18—20, 5 fig.
- Stubbs, L. L.**, Mandarin decline: growth of Ellendales and Imperials on citronelle affected by a decline virus. Citrus News 27. 1951, 171.

- Suit, R. F., and Ford, H. W., Present status of spreading decline. [on citrus] Florida State hort. Soc. Proc. 63 (1950). 1951, 36—42.
- Terra, G. J. A., A virus disease as the cause of incompatibility of citrus rootstocks in Java. [tristeza] Madjalah Ilmu Alam untuk Indonesia 107. 1951, 17—24.
- Vergani, A. R., Reconocimiento de la 'lepra explosiva' del naranjo y del 'tostado' de los frutos cítricos. (Recognition of 'lepra explosiva' of the orange and 'toasting' of citrus fruits.) [Tenuipalpus pseudocuneatus, Phyllocoptruta oleivorus] Alm. Minist. -Agric., Buenos Aires, 1951—52. 1951, 96, 1 tab. col.
- Wallace, J. M., Recent developments in studies of quick decline and related diseases. Phytopathology 41. 1951, 785—793, 2 fig.
- Wallace, J. M., and Drake, R. J., Citrus decline virus; vein clearing and stem pitting as diagnostic symptoms shorten tests. Calif. Agric. (Calif. Stat.) 5. 1951, nr. 5, p. 7, 16.
- Wallace, J. M., and Drake, R. J., Newly discovered symptoms of quick decline and related diseases. [on citrus] Calif. Citrogr. 36. 1951, 136, 168—169. — Citrus Leaves 31. 1951, nr. 2, p. 8—9, 30.
- Stunt bush, or stem pitting, a potentially serious disease of Marsh grapefruit. New South Wales Dept. Agric., biol. Branch, Sydney (Pettifer), 1951, 2 p.
- Carya, Castanea, Corylus, Juglans,
Prunus amygdalus**
- Ark, P. A., and Ferris, C. A., Walnut blight control in Tulare county (California) pre-bloom spray most important. Diamond Walnut News 33. 1951, nr. 2, p. 4—5.
- Ark, P. A., and Scott, C. E., Walnut blight: three compounds found effective in prebloom-postbloom spray program. [Xanthomonas juglandis] Calif. Agric. 5. 1951, nr. 3, p. 7, 14, 4 fig.
- Banti, G., Inchiesta sulla diffusione del «cancro della corteccia» del castagno (Endothia parasitica (Murr.) And.). II. Provincia di Genova. (Survey of the distribution of «bark canker» of chestnut (Endothia parasitica (Murr.) And.). II. Province of Genoa.) Not. Mal. Piante nr. 16. 1951, 4—15, 1 tab. geogr.
- Berry, F. H., Winter injury to Asiatic chestnut trees in the south during November 1950. Plant Dis. Reprtr. 35. 1951, 504—505, 1 fig.
- Bretz, T. W., Oak wilt fungus pathogenic to Chinese chestnut. [Chalara quercina on Castanea mollissima] Plant Dis. Reprtr. 35. 1951, 28.
- Busnel, R.-G., Darpoux, H., et Ridé, M., Utilisation de la chaleur transmise par le rayonnement infrarouge comme méthode de désinfection des châtaignes contre les spores d'Endothia parasitica (Murill) Anderson. Compt. rend. Acad. Agric. France 37. 1951, 513—515.
- Chandler, S. C., Control of spittle bugs on nut trees. [Clastoptera achatina] North. Nut Growers Assoc. Ann. Rept. 42. 1951, 18—22.
- Cochran, J. H., Control of the pecan nut casebearer (Acrobasis caryae) with organic insecticides. Southeast. Pecan Growers Assoc. Proc. 44. 1951, 72—73.
- Cole, J. R., Comparative results of applying fungicides with hydraulic and mist sprayers to control pecan scab (Cladosporium effusum). Southeast. Pecan Growers Assoc. Proc. 44. 1951, 41—45, 47—48.
- Cotta, A., (More on chestnut blight. I.) [Endothia parasitica] Cron. Econ. 97. 1951, 30—32.
- Crane, H. L., and McKay, J. W., Preliminary report on growth, flowering, and magnesium deficiency of Reed and Potomac filbert varieties. North. Nut Growers Assoc. Ann. Rept. 42. 1951, 50—55.
- Crossa-Reynaud, P., Note sur un dépérissement de l'amandier dans le sud tunisien. Feuille Inform. Vitic., Arbor. Tunisie 23. 1951, 22—24.
- Dame, F., Zum Vorkommen des Walnuß-Bakterienbrandes, verursacht durch Pseudomonas juglandis Pierce. Nachr. bl. dtsh. Pfl. schutzd., Braunschweig, 3. 1951, 164, 1 Abb.
- Darpoux, H., Les chancres des arbres fruitiers. II. Le chancre du châtaignier. [Endothia parasitica] Déf. Vég., Paris, 1951, nr. 6, p. 3—15, fig.
- Darpoux, H., La maladie du châtaignier causée par l'Endothia parasitica. École Nat., Eaux Forêts, Nancy, 1951, 102—111, 2 fig.
- De Rosa, M., Il cancro del castagno. Agric. Napoletana 18. 1951, nr. 6, p. 13—15.
- Dumas, P., Conclusions à la campagne de traitements contre les ennemis du noyer dans la vallée de l'Isère. Phytoma, Paris, 4. 1951, nr. 26, p. 9—18, 6 fig.
- Dumas, P., Les traitements en cours de végétation des noyers. Phytoma, Paris, 4. 1951, nr. 22, p. 14—21, 7 fig.
- Fernandes, C. T., Le mal des châtaigniers au Portugal. [Phytophthora cambivora, Ph. cinnamomi] Publ. Dir. Serv. flor. aquic., Lisbôa, 18. 1951, 111—120, 3 fig.
- Foster, J. H., A report on pecan scab (Cladosporium effusum) experiments conducted in South Carolina. Southeast. Pecan Growers Assoc. Proc. 44. 1951, 63, 65—66.
- Gäumann, E., Über das Kastaniensterben im Tessin. [Endothia parasitica] Schweiz. Ztschr. Forstwesen 102. 1951, 1—20, 5 Abb., 7 Taf.

- Gerhardt, P. D., Lindgren, D. L., and Sinclair, W. B.,** Methyl bromide fumigation of walnuts to control two lepidopterous pests, and determination of bromine residue in walnut meats. [Myelois venipars, Ephestia kühniella] J. econ. Ent. 44. 1951, 384—389.
- Ginet, J.,** Une nouvelle maladie du châtaignier: la brûlure du châtaignier ou chancre américain. [Endothia parasitica] École Nat. Eaux Forêts, Nancy, 1951, 112—113.
- Giove, D.,** (Distribution of chestnut blight [Endothia parasitica] in Lazio.) Foreste (ital.) 3. 1951, 84—85.
- Graves, A. H.,** Blight resistance in the chestnut: breeding work to replace the American chestnut. Plants and Gard. 7. 1951, 138—139.
- Higdon, R. J.,** The control of pecan scab by fungicides. Plant Dis. Repr. 35. 1951, 272—273.
- Hinrichs, H.,** Soil fumigation to control pecan weevil (Curculio caryae). Texas Pecan Growers Assoc. Proc. 30. 1951, 43—47.
- Ibberson, J. E.,** The chestnut story. [Endothia parasitica] Pennsylv. Forest. Wat. 3. 1951, 32—37.
- Ii, M.,** (On chestnut gall wasp (Dryocosmos).) Jap. J. Plant Prot. 21. 1951, 12—27.
- Jenkins, H. B.,** Crown gall (Bacterium tumefaciens). [on almonds] Grower, Adelaide, 6. 1951, nr. 5, p. 18, 39.
- Kleiner, B. D.,** (Diseases of the almond tree which grows in the mountainous districts of Uzbekistan.) Lezn. Khoz. 4. 1951, nr. 9, p. 81—84.
- Kotte, W.,** Über das Vorkommen der durch Pseudomonas juglandis Pierce verursachten Walnußkrankheit in Deutschland. Phytopath. Ztschr. 17. 1951, 347—352, 5 Abb.
- Krstić, M.,** (Le champignon Endothia parasitica en Slovenie.) Gozdarski Vest. (croat.) 9. 1951, 54—60.
- Krstić, M.,** Endothia parasitica, un problème Européen actuel. [aux châtaignier] Plant Prot., Beograd, nr. 8. 1951, 41—49.
- Large, J. R.,** Progress report in pecan scab (Cladosporium effusum) control in Florida in 1950. Southeast. Pecan Growers Assoc. Proc. 44. 1951, 49—50, 52—53, 57—59.
- Large, J. R.,** The use of the »Salesco« carbide gun to protect pecan orchards from crow damage. Southeast. Pecan Growers Assoc. Proc. 44. 1951, 61—62.
- Lentz, P. L.,** Labrella coryli (Desm. & Rab.) Sacc. on filberts in North America. Plant Dis. Repr. 41. 1951, 437—438, 1 fig.
- Lovisol, O.,** Attacchi di »Monilia fructigena« Pers. e di »Monilia laxa« Ehr. sui frutti di nocciuolo. (Attacks of Monilia fructigena Pers. and Monilia laxa Ehr. on fruits of hazel nut.) Atti Accad. Torino 85 (1950—1951). 1951, 7 p., 2 fig.
- McKay, J. W., and Crane, H. L.,** Bunch disease of black walnut. North. Nut Growers Assoc. Ann. Rept. 42. 1951, 56—62.
- Marcelin, P.,** Essai sur le dépérissement de la châtaigneraie. [Phytophthora cambivora, P. cinnamomi] Bull. Soc. languedoc. Géogr. (sér. 2) 22. 1951, nr. 1, p. 125—156.
- Martin, D. F., and Bilsing, S. W.,** Pecan nut casebearer (Acrobasis caryae) control during 1947—50. Texas agric. Exp. Stat. Progr. Rept. 1342. 1951, 6 p.
- Michelbacher, A. E., Bacon, O. G., and Cassil, C. C.,** Codling moth (Carpocapsa pomonella) on Payne walnuts spray formula recommended. Diamond Walnut News 33. 1951, nr. 2, p. 6—8.
- Michelbacher, A. E., Bacon, O. G., and Middlekauff, W. W.,** Walnut pest studies, 1950; conventional and air carrier sprayers compared in codling moth (Carpocapsa pomonella) and aphid control for northern California. Calif. Agric. 3. 1951, nr. 4, p. 4, 14.
- Middlekauff, W. W., and Michelbacher, A. E.,** Mites on walnuts; experimental studies with aramite for spider mite control. Calif. Agric. 5. 1951, nr. 2, p. 9, 15.
- Miller, P. W.,** Nut diseases in Oregon in 1950. Plant Dis. Repr. 35. 1951, 145.
- Miller, P. W., Rawlings, C. O., and Painter, J. H.,** Causes of the decline of walnut trees in Oregon: second report. Oregon State hortic. Soc. Proc. 66. 1951, 183—185.
- Nickels, C. B.,** Notes on the life history and habits of the pecan nursery casebearer in Texas. [Acrobasis caryivorella] J. econ. Ent. 44. 1951, 433—434.
- Nickels, C. B.,** Tests of insecticides against the pecan nut casebearer (Acrobasis caryae) in 1950. Pecan Growers Assoc. (Texas) Proc. 30. 1951, 39—41.
- Orsenigo, M.,** Inchiesta sulla diffusione del »cancro americano« del castagno (Endothia parasitica (Murr.) P. J. et W. H. And.). Ann. Tecn. Agr. 17. 1951, 22.
- Ortega, J. C.,** Control of the fruit tree leaf roller (Archips argyrospila) and the walnut aphid (Chromaphis juglandicola) in southern California. Diamond Walnut News 33. 1951, nr. 2, p. 9.
- Osburn, M. R.,** Tests with several new insecticides for control of mites (Tetranychus bicoriae) and the black pecan aphid (Melanocallis caryaefoliae). Southeast. Pecan Growers Assoc. Proc. 44. 1951, 67—69, 71.

- Pavari, A.**, (The chestnut crisis.) [Endothia parasitica] Lotte Contadine 2. 1951, nr. 4, p. 11.
- Pavari, A.**, La lotta contro il cancro corticale del castagno in Italia. (Chestnut bark canker control in Italy.) [Endothia parasitica] Schweiz. Ztschr. Forstwesen 102. 1951, 572—579, 4 fig. — Humus 7. 1951, nr. 3, p. 9—13.
- Porter, B. A.**, Present trends in pecan insect control. Southeast. Pecan Growers Assoc. Proc. 44. 1951, 74—75, 77—78.
- Ragless, G. B.**, Wet soil conditions can kill. [almonds] Grower, Adelaide, 6. 1951, nr. 3, p. 12.
- Rol, R.**, Les maladies cryptogamiques du châtaignier en France. École Nat. Eaux Forêts, Nancy, 1951, 97—101.
- Rosberg, D. W.**, Control of pecan diseases in 1950. Texas agric. Exp. Stat. Progr. Rept. 1330. 1951, 4 p. — Texas Pecan Growers Assoc. Proc. 30. 1951, 13—14.
- Rosella, E.**, Les traitements à faire d'urgence sur les arbres à noyaux. Réveil Agric. 60. 1951, 113.
- Rui, D., Rostirolla, G., e Nogarin, S.**, Nuovi ospiti e nuovi centri di infezione da Endothia parasitica nelle provincie venete. [Castanea] Humus 7. 1951, nr. 4, p. 21—24.
- Šebenik, M.**, Rak kestenove kore u kotaru Nova Gorica. (Endothia parasitica Anders dans l'arrondissement de Nova Gorica.) Saschitta Bilja (Plant Prot.), Beograd, nr. 5. 1951, 75—79, 2 tab. geogr.
- Serr, E. F.**, Sprays decrease preharvest drop of peerless almonds. Almond Facts 16. 1951, nr. 4, p. 11.
- Servazzi, O.**, (Short notice on »moria« or die-back o hazelnuts in Langhe.) Nuovo Giorn. Bot. Ital. 57 (n. ser.) (1950). 1951, 679—682.
- Shchepot'ev, F. L.**, (Selection of walnut (Juglans regia) for frost resistance.) Seleksiia i Semenovodstvo (Selection and Seed Growing) 18. 1951, nr. 11, p. 40—45.
- Shchepot'ev, F. L.**, (Use of selection method in creating frost-resistant walnuts.) Trudy Akad. Nauk USSR. Inst. Lesa 8. 1951, 95—114.
- Smith, C. L.**, Report on usage of some herbicides in killing pecan stumps. Texas Pecan Growers Assoc. Proc. 30. 1951, 31—33.
- Stahelin, M.**, Observations sur l'occurrence de viroses et d'affections similaires des essences fruitières à noyau, au Tessin et en Suisse romande. Landw. Jahrb. Schweiz 65. 1951, 909—910.
- Traversi, B. A.**, El mal de la tinta o mal negro del nogal. [Phytophthora citrophthora] Mundo agric. 3. 1951, nr. 22, p. 16—17.
- Trouvelot, B., Dumas, P., et Pithioud,** La lutte contre les insectes de la châtaigne, le Carposcapa (Laspeyresia splendana HB) et le Balanin (Balaninus elephas Gyll.). In: Semaine int. Châtaignier, Septembre 1950. École Nat. Eaux Forêts Nancy 1951, 153—157.
- Urquijo Landaluze, P.**, Innovaciones y posibilidades en la lucha contra la enfermedad de la »tinta del castaño«. [Phytophthora cinnamoni] 1. Conf. int. Lutte contre Parasites Plantes 3.—6. 10. 1950 Roma. 1951, 439—442.
- Yasumatsu, K.**, A new Dryocosmus injurious to chestnut trees in Japan (Hym., Cynipidae). [Dryocosmus kuriphilus n. sp.] Mushi 22. 1951, 89—92.
- Les parasites du noyer.** Rev. rom. Agric., Vitic., Arboric. 7. 1951, 47.
- Semaine internationale du châtaignier,** Septembre 1950. [maladies] Bull. Techn. Châtaignier (Ann. École Eaux For., Nancy) 1951, 174 p., 19 fig., 2 tab., 4 tab. geogr.

h. Varia

- Balachowsky, A.-S.**, Sur un Pseudococcini (Hom. Coccoidea) nouveau vivant sur Ficus salicifolius Vahl. dans le Tassili N'Ajers (Sahara central) (I). Rev. Path. vég. Ent. agric. France 30. 1951, 197—202, 2 fig.
- Brimblecombe, A. R.**, Control of red scale (Aonidiella aurantii) on figs. Queensland agric. J. 73. 1951, 283—285.
- English, W. H.**, Phomopsis canker: a progress report. Calif. Fig Inst. Proc. Ann. Res. Conf. 5. 1951, 45—48.
- McKnight, T.**, A wilt disease of the passion vine (Passiflora edulis) caused by a species of Fusarium. Queensland J. agric. Sci. 8. 1951, 1—4.
- Omer-Cooper, J., and Miles, P.**, On Lema trilineata — a beetle closely resembling the tobacco slug, attacking the cape gooseberry. [Physalis peruviana] South Afr. J. Sci. 47. 1951, 330—333, 4 fig.
- Pilgrim, A. J.**, Bacterial canker (Bacterium fici) of figs. Calif. Fig Inst. Proc. Ann. Res. Conf. 5. 1951, 48—51.
- Pupysheva, L. I.**, (Measures for controlling the fig leaf flea (beetle).) Sad i Ogorod (Orchard and Garden) nr. 9. 1951, 79—80.
- Rader, W. E.**, Therapeutic approaches for the control of canker diseases. [Phomopsis fici, Bacterium fici] Calif. Fig Inst. Proc. Ann. Res. Conf. 5. 1951, 51—53.
- Warner, R. M.**, Control of the dried fruit beetle (Nitidulidae) and vinegar fly (Drosophila) in fig orchards. Calif. Fig Inst. Proc. Ann. Res. Conf. 5. 1951, 42—44.

7. Weinrebe Grape-vine — Vigne

a. Allgemeiner Teil General part — Partie générale

- Antoniadès,** Rapports nationaux; Chypre. [lutte contre maladie du vin] Bull. Off. int. Vin 24. 1951, nr. 243, p. 116—118.
- Ayoutantis, A. J., et Kortzas, C. B.,** L'importance des dégâts occasionnés à la viticulture par diverses causes. [insectes et maladies] Bull. Off. int. Vin 24. 1951, nr. 244, 105—111.
- Beran, F., und Henner, J.,** Kurze Übersicht über die Bekämpfung der wichtigsten Rebkrankheiten und Rebschädlinge. Bundesanst. Pfl.schutz, Wien, 1951, 46 p., 21 fig.
- Blumer, S.,** Die Bekämpfung der Krankheiten und Schädlinge im Rebbau. Schweiz. Ztschr. Obst-, Weinbau 60. 1951, 173—179, 3 Abb.
- Braun, A. J.,** Grape diseases are easy to control. Rur. New-Yorker 101. 1951, 211.
- Brunner, E.,** Über Veredlung bewurzelter Unterlagsreben. Weinbau 6. 1951, 49, 3 Abb.
- Buxbaum, W.,** Das Spritz- und Vernebelungsverfahren. Zukunftssträume eines Praktikers. Weinbau 6. 1951, 127, 1 Abb.
- Dalmasso, G.,** I problemi della viticoltura moderna e la ricerca scientifica. Ric. Sci. 21. 1951, 465—472.
- Demaree, J. B., and Still, G. W.,** Control of grape diseases and insects in eastern United States. U.S. Dept. Agric. Farmers' Bull. nr. 1893. 1951, 36 p., 30 fig.
- Démétriadès, S. D.,** Les maladies de la vigne en Grèce et les mesures de protection. Bull. Off. int. Vin 24. 1951, nr. 244, p. 111—113.
- Durand-Gasselin, L.,** Les mouillants en viticulture. Rév. Agric. 60. 1951, 115.
- Durand-Gasselin, L.,** Les soufres mouillables, finesse et dose d'emploi. Rév. Agric. Afr. Nord 49. 1951, 373.
- Galet, P.,** Observations sur la résistance aux maladies des hybrides producteurs cultivés à l'école de Montpellier. Progr. agric. vitic., Montpellier, 136. 1951, 178—182, 196—199.
- Giesius, A.,** Erfahrungen in der Schädlings- und Krankheitsbekämpfung im Weinbau des Jahres 1950. Weinbau 6. 1951, 129.
- Götz, B.,** Knospenzerstörer an Reben. Bauern-Ztg. 4. 1951, nr. 17, p. 7.
- Hasselbach, R.,** Zur Schädlingsbekämpfung im Weinbau. Weinbau 6. 1951, 361—362.
- Herschler, A.,** Wie kann der Weinbergsboden gesund und leistungsfähig erhalten werden? Rhein. Weintztg. 1. 1951, 54—57.
- Jancke, O.,** Zur diesjährigen Schädlingsbekämpfung. Weinbau 6. 1951, 125—126.
- Johanson, F. D., Garman, P., and Stoddard, M.,** Grape spray guide, 1951. Connecticut Univ. Coll. Agric. agric. Ext. Serv. 1951?, 1 p.
- Juscáfresa, B.,** Enfermedades de la vinya. Ceres, Valladolid, 16. 1951, nr. 178, p. 11.
- Juscáfresa, B.,** Las plagas del vinado. [fungus diseases, insect pests] Ceres, Valladolid, 16. 1951, nr. 177, p. 26—27, 29.
- Kaufhold, W.,** Gesunde Trauben an Spalierreben! Landw. Wochenbl. München 141. 1951, 253, 2 Abb.
- Kaufhold, W.,** Schädlingsbekämpfungsmittel für Winzer. Landw. Wochenbl. München 141. 1951, 389.
- Kranz und Brunner, E.,** Entfernen der Edelreiswurzeln in der Rebschule. Weinbau 6. 1951, 28—29.
- Kundert, J.,** Demonstration über neue Spritzmethoden im Rebbau. Schweiz. Ztschr. Obst-, Weinbau 60. 1951, 340—342.
- Leib, E.,** Die wichtigsten Krankheiten und Schädlinge der Weinrebe und ihre Bekämpfung. Saarl. Bauernbl. 5. 1951, 89, 3 Abb.
- Lepage, P.,** Differenciez et traitez les affections de la vigne. Vie à Campagne 40. 1951, 331.
- Marsais, P.,** La défense sanitaire et la protection des vignobles: rapport général. Bull. Off. int. Vin 24. 1951, nr. 243, 64—86.
- Mercier, H.,** Sur la défeuillaison de quelques porte-greffes viticoles. Minist. Agric. (France) Bull. Techn. Inform. 58. 1951, 261—263.
- Mestre Artigas, A.,** Se puede sulfatar la viña en flor? Balearic Isl. Diput. Prov. B. Agr. 79. 1951, 1—2.
- Morgen, A.,** Einfluß der Pfahlneigung auf den Strahlungsgenuß der Rebe. Weinbau/Wiss. Beih. 5. 1951, 149—152, 2 Abb.
- Nicke, W.,** Bericht über die Forschungsergebnisse auf dem Gesamtgebiet des Weinbaus seit Kriegsende (Stand: Dezember 1950). Landw. Forschungsrat e. V., Bonn 1951.
- Orsat, C. O.,** Traitements d'hiver dans les vignobles. Rev. Agric. Afr. Nord 49. 1951, 49—52, 81—84, 848—850, 875—877, 913—917, 935—938.
- [Peyer, E.],** Betriebskosten der stationären Spritzanlage im Dettenberg, Bülach. Schweiz. Ztschr. Obst-, Weinbau 60. 1951, 238—239.

- Prokopenko, S. F.**, (Horse-drawn sprayer at the vineyards.) Vinodel. i Vinograd. USSR. 11. 1951, nr. 5, p. 48—50.
- Rodrian**, Feldzug gegen die Rebschädlinge. Weinbau 6. 1951, 124—125.
- Rosella, E.**, Au vignoble: l'actualité; nouveaux produits et nouvelles méthodes. Réveil Agric. (France) 60. 1951, 228—229.
- Rosella, E.**, Certains traitements d'hiver doivent être reportés à plus tard. [grappes] Réveil Agric. (France) 60. 1951, 69.
- Rosella, E.**, Nouveaux ennemis — nouveaux produits — nouvelles méthodes de lutte au vignoble. Réveil Agric. (France) 60. 1951, 197—198.
- Rosella, E.**, Traitez contre le mildiou et contre l'œdémis ou ver des grappes. Réveil Agric. (France) 60. 1951, 243—244.
- Rouvier, P.**, À propos des sulfatages. Rev. Agric. Afr. Nord 49. 1951, 206—208.
- Ruiz Castro**, Rapports nationaux; Espagne. [lutte contre les maladies du raisin] Bull. Off. int. Vin 24. 1951, nr. 243, p. 119—134.
- Rupp**, Weinbau und Koreakrieg; was haben beide miteinander zu tun? [Spritzprogramm in Deutschland] Weinbau 6. 1951, 103—104.
- Schellenberg, A.**, Genossenschaftliche Spritzanlagen im Kanton Zürich. Schweiz. Ztschr. Obst-, Weinbau 60. 1951, 121—127, 7 Abb.
- Schmitt, H.**, Gedanken zur weinbaulichen Schädlingsbekämpfung. Höfchen-Briefe, Leverkusen, 4. 1951, 89—94.
- Stellwaag, F.**, Rapports nationaux; Allemagne. [lutte contre les maladies du vin] Bull. Off. int. Vin 24. 1951, nr. 243, p. 105—114.
- Tarroux, M.**, La situation des soufres et les traitements du vignoble. Tribune Agr. 44. 1951, nr. 802, p. 1.
- Thate, R.**, Ölflücke, die keine sind! [unbekannte Krankheit des Weins] Weinbau 6. 1951, 456—457.
- Torresin, A.**, La fumaggine della vite. Agric. Friulana 28. 1951, nr. 16, p. 4.
- Valent-Falandry, A.**, Les traitements d'hiver de la vigne contre la fumagine et le Phylloxera gallicole. Bull. Engrais 335. 1951, 178—179.
- Vogt, E.**, Weinbau. Ein Lehr- und Handbuch für Winzer und Weinbauschüler. [Krankheiten und Schädlinge] E. Ulmer, Stuttgart/z. Zt. Ludwigsburg 1951. 258 S., 108 Abb.
- Vryonides, T.**, Fungus diseases and insect pests of the vine. Countryman, Nicosia (Cyprus), 5. 1951, nr. 7, p. 15—18.
- Wilhelm**, Sauerwurm- und Äscherichschäden verhüten! [Clysia ambiguella und Pilzkrankheiten] Bauern-Ztg. 4. 1951, Nr. 31, S. 13.
- Winkler, A. J.**, Rapports nationaux; États-Unis d'Amérique. [contrôle des maladies] Bull. Off. int. Vin 24. 1951, nr. 243, p. 134—140.
- Zillig, H.**, Auftreten der Rebfeinde in den deutschen Weinbaugebieten im Jahre 1950. Rhein. Weinztg. 1. 1951, 6—8.
- Leitsätze** für Schädlingsbekämpfung im Weinbau. Biol. Bundesanst. Braunschwg. Merkbl. Nr. 4. 5. Aufl., März 1951, 2 S.
- Les principales maladies du raisin cultivé sous verre et les moyens de les combattre aux Pays-Bas. Bull. Off. int. Vin 24. 1951, nr. 244, p. 115—116.
- Rebschutzdienst** Nordbaden. Aufruf Nr. 1—8. Bad. landw. Wochenbl. 118. 1951, 203, 309, 340, 382, 397, 451.
- Spritzplan** für den Weinbau 1951. Schweiz. Ztschr. Obst-, Weinbau 60. 1951, 182—184, 1 Abb.
- Traitement** des vendanges 1951. Rev. rom. Agric., Vitic., Arboric. 7. 1951, 72.

b. Nichtparasitäre Krankheiten Diseases not caused by parasites Maladies non parasitaires

- Atkinson, J. D.**, Injury to grapes from hormone weed-killer. [2, 4-D] New Zealand J. Agric. 83. 1951, 389—390.
- Berthault, P.**, Le dessèchement des feuilles de vigne. Rev. agric. Afr. Nord 49. 1951, 695—696.
- Branas, J.**, Les gelées; la retaille. Progr. agric., vitic., Montpellier, 136. 1951, 239—241.
- Clore, W. C.**, Little leaf or zinc deficiency of Concord grapes. Washington agric. Exp. Stat. Circ. 136. 1951, 3 p.
- Clore, W. J.**, Sensitivity of the grape to 2, 4-D injury. Washington agric. Exp. Stat. Circ. 138. 1951, 2 p.
- De Mas Solanes, R.**, Clorosis de la vina. Cult. Mod. 34. 1951, 218—219.
- Démétriadès, S. D.**, et **Zachos, D. G.**, Note sur quelques cas d'accidents causes sur la vigne et le coton par l'emploi d'herbicides phytohormoniques en Grèce. 1. Conf. int. Lutte contre Parasites Plantes 3.—6. 10. 1950. Rome 1951, 393—395, 1 fig.
- Galvagni, A.**, (Influence of spraying on the vegetative development of grapes.) Seme [ital.] 3. 1951, 207—208.
- Hewitt, W. B.**, Some responses of vines to sodium arsenite applied for black measles control. Phytopathology 41. 1951, 939—940.

Hewitt, W. B., Virus and virus-like grape diseases. Wines and Vines 32. 1951, nr. 8, p. 14—15.

Longchamp, R., Roy, M., et Gautheret, R. J., Recherches sur l'action du 2, 4 D et du M. C. P. A. sur la vigne. Ann. agron. (Ann. Inn. nat. Rech. agron. sér. A), Paris, 2. 1951, 849—856.

Moser, L., Die Behandlung der Chlorose des Weinstocks. Mitt. höh. Bundeslehr- u. Vers.anst. Wein-, Obst- u. Gartenb. Wien-Klosterneuburg usw. 1. 1951, 139—143.

Perrot, H., Beregnung und Frostschutz im Obst- und Weinbau. Int. Landmaschinen-Markt 3. 1951, Nr. 3, S. 81—85.

Peyer, E., Frostschaden an Reben im Flaachtal. Schweiz. Ztschr. Obst-, Weinbau 60. 1951, 217.

Peyer, E., Die Gelbsucht bei den Reben. Schweiz. Ztschr. Obst-, Weinbau 60. 1951, 454—456.

Peyer, E., Mangelerscheinungen an den Reben. Schweiz. Ztschr. Obst-, Weinbau 60. 1951, 364—365, 1 Abb.

Rouart, S., Remarques sur certains accidents survenus au vignoble et sur le dessèchement du feuillage en Algérie. Rev. agric. Afr. Nord 49. 1951, 780—784.

Rouart, S., Remarques sur des cas de dessèchement du feuillage de la vigne. Rev. agric. Afr. Nord 49. 1951, 680.

Ruiz Castro, Jaunissement et dégénérescence des vignes dans la région d'Almería. Bull. Off. int. Vin 24. 1951, nr. 244, p. 89—91.

Sarrabay, J., Gelée sur vigne. Rev. agric. Afr. Nord 49. 1951, 351—353.

Sartorius, O., Kiefer, M., und Hannemann, R., Rückgangerscheinungen infolge Nährstoffmangels bei Pfropfreben. Weinbau/Wiss. Beih. 5. 1951, 173—180.

Shaulis, N., and Dungan, D. R., Chemical weed control in the vineyard. Cornell Univ. agric. Coll. Ext. Bull. 816. 1951, 6 p.

Stellwaag, F., Zwei Abbaukrankheiten der Rebe im Ausland. Weinbau/Wiss. Beih. 5. 1951, 73—77.

Vitoria, E., y Moyano, A. A. A., Informe sobre una enfermedad que afecta a los viñedos sanjuaninos en el departamento de Albardón. (Report on a disorder affecting vineyards in San Juan in the Department of Albardón.) Experimenta 3. 1951, nr. 7/9, p. 8—10.

Wilhelm, A. F., Bormangel bei Reben. Weinbau/Wiss. Beih. 5. 1951, 13—18.

Zakharova, E. I., (Importance of frost resistant rootstocks (in grape culture).) Sad i Ogorod (Orchard and Garden) nr. 10. 1951, 46—50.

Dégâts causés à la vigne par la foudre. Rev. rom. Agric., Vitic., Arboric. 7. 1951, 80, 2 fig.

c. Pflanzliche Feinde

Vegetal parasites — Parasites végétaux

Amphoux, M., Organisation méthodique d'un chantier de lutte contre le mildiou. [à grappes] Minist. Agric. (France) Bull. Techn. Inform. 56. 1951, 118—131.

Baldacci, E., La peronospora della vite. Inform. Fito-pat., Bologna, nr. 3. 1951, 1—7, 3 fig.

Baldacci, E., Relazione sul servizio delle reti degli osservatori peronosporici nell'Oltrepò Pavese durante il 1950. Not. Mal. Piante nr. 14. 1951, 47—51.

Baldacci, E., e Orsenigo, M., Quattro anni d'impiego del calendario d'incubazione della peronospora della vite (1946—1949). Atti Ist. bot. Univ. Pavia 8. 1951, nr. 3, p. 89—134.

Bernon, G., Un des aspects du mildiou en août 1951. Progr. Agric., Vitic. 136. 1951, 113—115.

Bernon, G., La lutte collective contre le mildiou dans le Bas-Rhône. [grappes] Minist. Agric. (France) Bull. Techn. Inform. 56. 1951, 131—136.

Bernon, G., Progrès de la lutte contre le mildiou de la vigne en France. Bull. Off. int. Vin 24. 1951, nr. 244, p. 91—95.

Bernon, G., Boubals, D., Huglin, P., et Amphoux, R., L'excoriose. [Phoma] Progr. agric., vitic. 136. 1951, 8—13.

Beyer, Über Oxydationsvorgänge des Stäubeschwefels im Weinbau. [Oidium] Weinbau/Wiss. Beih. 5. 1951, 1—7, 3 Abb.

Boudes, A., Traitement de l'oïdium de la vigne par soufre jaune (fleur de soufre sublimé) contenant 99% de soufre libre ou par soufre noir (contenant 40% de soufre libre). Rev. Agric. Afr. Nord 49. 1951, 53—55.

Branas, J., Le mildiou et les avertissements. Progr. agric., vitic., Montpellier, 136. 1951, 241—242.

Branas, J., Du nouveau dans la lutte contre le mildiou. Progr. agric., vitic., Montpellier, 136. 1951, 325—327.

Branzanti, E. C., Preparazione della poltiglia bordelose. Inform. Fito-pat., Bologna, nr. 4. 1951, 1—4, 2 fig.

Braun, A. J., and Emerson, F., Control of black rot of grapes without direct coverage of the fruit. Phytopathology 41. 1951, 5.

Briza, K., Rezultati ispitivanja mogućnosti primene aviona u borbi protiv plamenjače na vinovoj lozi u 1950 god. (Results of investigations on the possibility of using aeroplanes for controlling downy mildew in vineyards in 1950.) [Plasmopara viticola] Plant Prot., Beograd, nr. 6—7. 1951, 105—118, 4 tab.

- Capetta, G. B.**, Ricerche sulle condizioni ecologiche per l'insorgere dell'epidemia da oidio nella vite dell'Oltrepò pavese. (Researches on the ecological conditions necessary for outbreaks of epidemics of vine oidium in the Pavia area of the Po valley. Atti Ist. bot. Univ. Pavia (ser. 5) 8. 1951, 230—242, 1 fig. (Ist. agric. Vogheres »G. Gallini«, Voghera, 28. 3. 1951, 16 p., 1 fig.)
- Chamberlain, G. C.**, Control of anthracnose of red raspberries and downy mildew of grapes in Ontario. [Elsinoë venata, Plasmopara viticola] Proc. canad. phytopath. Soc. nr. 18. 1951, 10 (Abstr.).
- Charnat, P.**, Le rot blanc. [Coniothyrium diplodiella à grappes] Réveil Agric. 60. 1951, 36.
- Dalmasso, G.**, (The copper sulfate »crisis«.) [control of downy mildew on grapes] Coltiv. Giorn. Vinic. ital. 97. 1951, 225—227.
- Delp, Ch. J., Hewitt, W. B., and Nelson, K. E.**, Cladosporium rot of grapes in storage. Phytopathology 41. 1951, 937—938.
- Dias, H.**, (A bacterial disease in the grapes of Madeira »gota«.) Frutas da Madeira 11. 1951, 153—154, 156.
- Du Plessis, S. J.**, Three important vine diseases with particular reference to bacterial blight, and facts about vineyards and vine nurseries in South Africa. [Erwinia vitivora, Gloeosporium ampelophagum, Phomopsis viticola] South Afr. Dept Agric. sci. Bull. nr. 323. 1951, 30 p., 1 tab., 3 tab. col.
- Durante, O.**, La peronospora della vite. Giorn. Agric. 61. 1951, 346.
- Filipenko, I. M.**, (Effective method for mildew control.) Vinodel. i Vinograd. USSR. 11. 1951, nr. 6, p. 28—29.
- Foschi, S.**, (Downy mildew of grapes.) Agric. Romagn. 9. 1951, 2.
- Gabotto, L.**, La difesa della vite contro l'oidio e la peronospora. (Protection of grapes from downy and powdery mildew.) Coltiv., Giorn. vinic. ital. 97. 1951, 115—116.
- Gagnotto, A.-V.**, La vite come nuovo ospite di Sclerotium bataticolum Taub. (The grapevine as a new host of Sclerotium bataticolum Taub.) Ann. Sperim. agr., Roma, n. ser. 5. 1951, 541—542, 1 tab. — Boll. Staz. Pat. veg., Roma, 9 (3 ser.). 1951, 17—18.
- Gallay, R., Terrier, Ch., et Trivelli, G.**, Le mildiou de la vigne. Les expériences de 1951. [Plasmopara] Rev. rom. Agric., Vitic., Arboric. 7. 1951, 81—90, 3 fig.
- Garino-Canina, E., Capris, N., e Passera, U.**, Passito di caluso. ('Passito di caluso' wine.) [Botrytis cinerea] Ann. Sperim. agr., Roma, n. ser. 5. 1951, 1349—1374, 6 fig.
- Garrido Lozier, O.**, Azufraduras en el viñedo. Campesino, Santiago, 83. 1951, nr. 11, p. 101.
- Gayford, G. W.**, Vine diseases and pests. [black spot and downy mildew] J. Dept. Agric. Victoria 49. 1951, 455—456.
- Giardullo, G.**, Oidio o crittogama. Agric. Napoletana 18. 1951, nr. 4, p. 17—19.
- Giardullo, G.**, La peronospora della vite. Agric. Napoletana 18. 1951, nr. 4, p. 11—13.
- Glesius, A.**, Erfahrungen in der Schädlings- und Krankheitsbekämpfung. [Mehltau] Weinbau 6. 1951, 129.
- Gräter, D. F.**, Hausreben-Erkrankungen. [Oidium, Peronospora] Württ. Wochenbl. Landw. 118. 1951, 789—790. — Bad. landw. Wochenbl. 118. 1951, 564.
- Hasselbach, R.**, Vom flüssigen Kolloidschwefel zum heutigen Netzschwefel. [Peronospora] Weinbau 6. 1951, 421—422.
- Heller, E.**, Können wir 1951 die Oidiumgefahr abwenden? Weinbau 6. 1951, 108.
- Hewitt, W. B.**, Grape dead-arm control. [Cryptosporalla viticola] Plant Dis. Repr. 35. 1951, 142—143, 1 fig.
- Hoffmann, P.**, Peronosporabekämpfung mit Ob 21. Höfchen-Briefe, Leverkusen, 4. 1951, 110—117, 5 Abb.
- Hyams, E.**, Fungus diseases and grape-vines. Gard. Chronicle 129. 1951, 4—5, 70.
- Jain, A. C.**, Root rot of grape-vines (Vitis vinifera Linn.) caused by Pythium de baryanum Hesse var. viticolum n. variety. Nagpur agric. Coll. Mag. 25. 1950—1951, nr. 3/4, p. 7—9.
- Jordović, M.**, Downy mildew control by aircraft in 1951. Plant Prot., Beograd, nr. 6—7. 1951, 119—125.
- Kordes, H.**, Die mit kolloidalen Schwefelpräparaten im Weinbau erzielten Ergebnisse und deren Rückschlüsse auf pilzabtötende Wirkung der »echten Mehltauipilze« im Gemüse- und Gartenbau. Saatgut-Wirtschaft 3. 1951, 131—132.
- Kramer, O.**, Die Bekämpfung des Oidiums. Weinbau 6. 1951, 231.
- Lafon, J.**, Bouillie au nitrate de cuivre. Vrai Cognac 39. 1951, 466.
- Lafon, J.**, Le mildiou dans les Charentes en 1951. Vrai Cognac 40. 1951, 474—475.
- Leont'eva, I. A.**, (Preparations for the control of white rot (Coniothyrium diplodiella) in grapes.) Vinodel. i Vinograd. USSR. 11. 1951, nr. 4, p. 43—44.
- Llobregat Balaguer, E.**, Tratamientos contra el mildiu. Vinos, Viñas, Frutas 46. 1951, 282, 284.

- Magnani, G., Ciccarone, A., e Sibilia, C.**, Prove preliminari di lotta antiperonosporica con preparati organici. (Preliminary tests on the control of peronospora with organic preparations.) *Boll. Staz. Pat. veg.*, Roma, (ser. 3) 7 (1949). 1951, 159—166, 1 fig.
- Mazzei Patrone, I.**, Caldo bordelais. *Rev. Agric.*, Canad. 13. 1951, nr. 135, p. 9—10.
- Mazzei Patrone, I.**, Peronospora de la vid. *Rev. Agric.*, Canad. 13. 1951, nr. 135, p. 8—9.
- Miège, E.**, Le mildiou de la vigne; traitements et produits nouveaux. *Inform. marocaine* 541. 1951, 1—2.
- Milislavljec, D.**, Recherches sur la durée de la période d'incubation du *Plasmopara viticola* (B et C) Berlese et de Toni. *Bull. Off. int. Vin* 24. 1951, nr. 244, p. 120—122.
- Milislavljec, D.**, Zaštita vinove loze od plamenjače. (Control of downy mildew of grapes.) *Zadružna Knjiga*, Beograd, 1951, 42 p.
- Mühlmann, Erstaufreten von Peronospora und Oidium.** *Weinbau* 6. 1951, 380—381.
- Nelson, K. E.**, Effect of humidity on infection of table grapes by *Botrytis cinerea*. *Phytopathology* 41. 1951, 859—864, 2 fig.
- Nelson, K. E.**, Factors influencing the infection of table grapes by *Botrytis cinerea* (Pers.). *Phytopathology* 41. 1951, 319—326, 3 fig.
- Nelson, K. E.**, Some histological aspects of *Botrytis* rot of table grapes. *Phytopathology* 41. 1951, 941.
- Neuner, J.**, Die Peronospora. *Landwirtschaft* 21/22. 1951, 163—164.
- Neuner, J.**, Zur heurigen Peronosporakatastrophe. *Landwirtschaft* 21/22. 1951, 317—320.
- Oertli, H.**, Der Kampf gegen die Peronospora in der Rebschule. *Schweiz. Ztschr. Obst-, Weinbau* 60. 1951, 425—429, 5 Abb.
- Patel, M. K., and Kulkarni, Y. S.**, A new bacterial leaf spot (*Pseudomonas vitis-woodrowii*) on *Vitis woodrowii* Stapf. *Curr. Sci.* 20. 1951, 132.
- Perez-Salas, J., y De Espinosa, L.**, Divulgaciones sobre enfermedades de la vid: la apoplejia (*Stereum hirsutum*). *Semana Vitiviníca*. nr. 262. 1951, 2—3.
- Popov, M. V.**, (On spraying vineyards against mildew at incubation periods.) *Vinodel. i Vinograd. USSR*. 11. 1951, nr. 6, p. 25—28.
- Pourcharessse, P.**, Une maladie en progrès dans le vignoble moissagais; la fumagine de la vigne; comment la combattre? [*Capnodium* sp.] *Tarn-et-Garonne Agric.* 14. 1951, 166.
- Renaut, J., and Maury, R.**, Le mildiou en Champagne (détection des foyers primaires). [grappes] *Minist. Agric. (France) Bull. Techn. Inform.* 56. 1951, 136—138.
- Riabchenko, I. M.**, (Study of molds in Abrau-Diurso vineyards.) *Vinodel. i Vinograd. USSR*. 11. 1951, nr. 1, p. 16—18.
- Rivals, P.**, Variations de sensibilité au mildiou de quelques hybrides de Seyve-Villard en fonction du porte-greffe. *Terre Oc* 33. 1951, 200—202. — *Réveil Agric.* 60. 1951, 212.
- Riveros, J. E.**, El oidio, ceniza o quintal de la vid. *Vinos, Vinas, Frutas* 45. 1951, 409—410.
- Roche, Création et fonctionnement de la Station d'Avertissements pour la lutte contre le mildiou.** *Terre marocaine* 25. 1951, 448—451.
- Rosella, E.**, Cette bonne vieille bouillie bordelaise. *Réveil Agric.* 60. 1951, 180—181.
- Rosella, E.**, Traitez en hiver par pulvérisations contre le champignon de Pesca. *Réveil Agric.* 60. 1951, 20—21.
- Sarejanni, J. A.**, Quelques problèmes de l'épidémiologie du mildiou de la vigne en Grèce. [*Plasmopara viticola*] *Ann. Inst. phytopath.* Benaki 5. 1951, 53—64.
- Sartorius, O.**, Interessantes aus amerikanischen Spritzverfahren. [*Roter Brenner, Peronospora, Oidium*] *Weinbau* 6. 1951, 126.
- Sergio, F.**, (Oidium or powdery mildew of grapes.) *Agric. Romagn.* 7. 1951, 2.
- Shaw, Ch. G., and Yerkes jr., W. D.**, The downy mildews (*Peronosporaceae*) of the Pacific Northwest. *Northwest. Sci.* 25. 1951, 76—82.
- Stellwaag, F.**, Oidium und Oidiumbekämpfung. *Weinbau-Kalender* 1951.
- Thate, R.**, Der Graufäulepilz oder Traubenschimmel und seine Bedeutung. [*Botrytis cinerea*] *Gesunde Pflanzen* 3. 1951, 228—230.
- Trivelli, G.**, Einfluß der Druckgrade und der Verdünnbarkeit auf die Beschaffenheit der Niederschläge der im Handel käuflichen Kupferbrühen. *Dtsch. Agrartechn.* 1. 1951, 108—109.
- Trivelli, G., Staehelin, M., et Leyvraz, H.**, Action phytocide de diverses bouillies bordelaises en relation avec la qualité des chaux utilisées pour leur fabrication. *Landw. Jahrb. Schweiz* 65. 1951, 875—876.
- Urquijo Landaluze, P.**, Ensayos sobre fórmulas cúpricas reducidas. *Semana Vitiviníca*. 6. 1951, nr. 265, p. 33—35.
- Vaccheri, G.**, (Control of downy mildew.) *Campagna* 50. 1951, 90—91.
- Violante, C.**, Trattamenti misti per la lotta contemporanea contro l'oidio e la peronospora. *Riv. Viticolt., Enol.* 4. 1951, 153—157.

- Wilhelm, H.** Höhepunkt der Rebschädlingsbekämpfung! [Mehltau] Bauern-Ztg. 4. 1951, nr. 25, p. 6.
- Zachos, D. G.** Les premiers tâtonnements faits en Grèce concernant la lutte rationnelle contre le mildiou de la vigne. [Plasmopara viticola] 1. Conf. int. Lutte contre Parasites Plantes 3.—6. 10. 1950 Rome. 1951, 447—448.
- Zaprometov, N. G.** (Wintering of grape Oidium organism (*Uncinula necator*) in Uzbekistan.) Vinodel. i Vinograd. USSR. 11. 1951, nr. 4, p. 42—43.
- Zillig, H.** Rationelle Bekämpfung der Peronospora an Reben. Dtsch. Weinbaukal. 2. 1951, 63—68.
- Zillig, H.** Über die Verwendung von schneeförmigem Kupfervitriol im Weinbau. Chem. u. Techn. Landw. 2. 1951, 129—130.
- Champignons parasites de la vigne: Oidium de la vigne (*Uncinula necator*).** Rev. rom. Agric., Vitic., Arboric. 7. 1951, 38—39.
- Considérations préliminaires sur l'attaque de mildiou de la vigne en 1951.** [Plasmopara] Rev. rom. Agric., Vitic., Arboric. 7. 1951, 64.
- Mildiou de la vigne (*Plasmopara viticola*).** Rev. rom. Agric., Vitic., Arboric. 7. 1951, 39.
- d. Tierische Feinde**
- Animal parasites — Parasites animaux**
- Allen, M. W., and Jensen, H. J.** *Pratylenchus vulnus*, new species (Nematoda: Pratylenchinae), a parasite of trees and vines in California. Proc. helminth. Soc. Washington 18. 1951, 47—50.
- Awetjan, A. S.** (Über Beschädigungen der Weinrebe in Armenien durch *Synoxylon perforans* Schrank (Coleoptera, Bostrychidae).) (Ent. Übersicht), Moskau u. Leningrad, 31. 1951, 422—427, 2 Abb.
- Bernard, J.** Die Kräuselmilbe der Reben. [Phyllocoptes vitis, Epitrimerus vitis] Bas-Rhin Agric. 6. 1951, 126.
- Boubals, D., and Huglin, P.** L'acariose. [Phyllocoptes vitis, Epitrimerus vitis] Progr. agric., vitic. 136. 1951, 272—277.
- Costantino, G.** L'anomala della vite (*Anomala ausonia* var. *neapolitana* Reitt.). (*Anomala*, pest of grape (*Anomala ausonia* var. *neapolitana* Reitt.). Osserv. Region. Fitopat. Calabria Circ. 6. 1951, 18 p.
- Costantino, G.** (*Anomala* of grapes.) [A. *ausonia*] Tec. Agr. 3. 1951, 82—88.
- Covas, L.** Un ravageur occasionnel des jeunes vignobles: *Brachypera circumvaga*. Rev. Agric. Afr. Nord 49. 1951, 489—490.
- Fedrizzi, G. B.** (Acarina of grapes.) Seme 3. 1951, 99—101.
- Frick, K. E.** Grape mealybug (*Pseudococcus maritimus*) control on grapes. Washington State Coll. Ext. Mimeogr. 1153. 1951, 2 p.
- Gabotto, L.** (Necessity for resuming the fight against the grape endemism moth (*Polychrosis botrana*).) Coltiv., Giorn. vinic. ital. 97. 1951, 131—132.
- Götz, B.** Vergleichende Untersuchungen über die Wirkung synthetischer Insektengifte gegen den Rebstichler *Byctiscus betulae* L. Wein u. Rebe 1. 1951, 57—84.
- Hammerschlag, P.** Praktische Erfahrungen mit E 605 forte im Jahre 1950. Höfchen-Briefe, Leverkusen, 4. 1951, 117—119.
- Jancke, O.** E 605 forte und weinbaulicher Pflanzenschutz. Höfchen-Briefe, Leverkusen, 4. 1951, 94—96.
- Jancke, O.** Ein neuer Parasit des Rebstichlers (*Byctiscus betulae* L.). Weinbau/Wiss. Beih. 5. 1951, 7—13, 7 Abb.
- Menzel, R.** Zum Auftreten des Traubenwicklers. Schweiz. Ztsch. Obst-, Weinbau 60. 1951, 302—303.
- Mühlmann, H.** Der Dickmaulrüßler als Feind der Jungfelder. [Otiorynchus sulcatus] Weinbau/Wiss. Beih. 5. 1951, 146—149.
- Myburgh, A. C.** Mealy-bug (*Pseudococcus citri* and *P. maritimus*) control on table grapes. Farming South Afr. 26. 1951, nr. 298, p. 14—16.
- Probst, K.** Der Heu- und Sauerwurm. [Clysis ambiguella, *Polychrosis botrana*] Landwirtschaft 1951, 200—201.
- Rodrian, Dreijährige praktische Versuche mit E 605 gegen Heu- und Sauerwurm.** Höfchen-Briefe, Leverkusen, 4. 1951, 102—109, 6 Abb.
- Rosella, E.** À la vigne: attention au choix des plants. [Polychrosis botrana] Rév. Agric. 60. 1951, 324.
- Ruiz Castro, A.** Amélophages des racines et des souches de vigne, étudiés dans le vignoble espagnol. [Phylloxera vitifoliae, *Vesperus xatarti*, *Ceratitis capitata*, *Pseudococcus citri*] Bull. Off. int. Vin 24. 1951, nr. 244, p. 67—79.
- Ruiz Castro, A.** Dégâts causés au vignoble espagnol par les insectes et autres animaux. Bull. Off. int. Vin 24. 1951, nr. 244, p. 79—87.
- Ruiz Castro, A.** La pyrale (*Sparganothis pilleriana*), l'altise (*Haltica lytri* ampelophaga), le cigarier (*Byctiscus betulae*) et l'érinase (*Eriophyes vitis*) dans le vignoble espagnol. Bull. Off. int. Vin 24. 1951, nr. 244, p. 62—66.
- Rusiashvili, I. L.** (Control of destructive cutworms (on grapes) in Kakhetia.) Vinodel. i Vinograd. USSR. 11. 1951, nr. 2, p. 39—40.

- Smith, L. M., and Stafford, E. M., Grape bud mite problem. [Eriophyes vitis] Wines and Vines 32. 1951, 18—19.
- Stellwaag, F., Die Milbenkräuselkrankheit der Rebe und ihre Bekämpfung. [Phyllocoptes, Epitrimerus] Biol. Bundesanst. Braunschwg. Flugbl. L 13. 1951, 8 S., 8 Abb.
- Still, G. W., Control of mealybugs on grapes. [Pseudococcus maritimus] Amer. Assoc. econ. Ent., North Centr. States Branch, Proc. 6. 1951, 24—25.
- Taschenberg, E. F., Laboratory rearing of grape-berry moth. [Polychrosis viteana] J. econ. Ent. 44. 1951, 256—258, 1 fig.
- Thomas, G. W., Summary of 1950 grape insect investigations. Missouri State hortic. Soc. hortic. News 1951, 6—7.
- Thomas, S. L., Derobrachus geminatus on grape roots (Coleoptera: Cerambycidae). Pan-Pacific Ent. 27. 1951, 35.
- Tögel, V., Der Traubenwickler und seine Bekämpfung. [Clysia ambiguella, Polychrosis botrana] Obst u. Garten 6. 1951, 90—91.
- Tominić, A., (La punaise de la fleur de la vigne dans les vignobles de Konavalje.) [Calocoris fulvomaculatus] Saschtita Bilja (Plant Prot.), Beograd, nr. 5. 1951, 3—12, 2 fig.
- Trentini, R., (Grapevine acarid or Tetranychus (Tetranychus telarius L.)) Almanacco Agric. 62. (1951), 69—74.
- Wilhelm, Erfahrungen mit Solbar und E 605 forte zur Bekämpfung der Kräuselkrankheit und der Roten Spinne an Reben. [Phyllocoptes, Epitrimerusarten, Paratetranychus] Höfchen-Briefe, Leverkusen, 4. 1951, 96—102, 3 Abb.
- Wilhelm, Stoppt die Kräuselkrankheit! [Phyllocoptes] Bauern-Ztg. 4. 1951, nr. 13, p. 7.
- Wilhelm, Die zweite Runde der Rebschädlingsbekämpfung! Bauern-Ztg. 4. 1951, nr. 29, S. 6—7.
- Zweigelt, F., San-José-Schildlaus im Weinbau. Ztschr. angew. Ent. 33. 1951, 137—141.
- La Cécidomie de la vigne. Lebanon Serv. Rech. agric., Beyrouth, 1951, 7 p.
- L'érinose de la vigne. [Eriophyes vitis] Rev. rom. Agric., Vitic., Arboric. 7. 1951, 47.
- Lutte contre les acariens de la vigne. Rev. rom. Agric., Vitic., Arboric. 7. 1951, 14—15.
- La lutte contre les vers de la vigne de première génération. [cochylys] Rev. rom. Agric., Vitic., Arboric. 7. 1951, 39.
- Les vers de la vigne de seconde génération. [cochylys] Rev. rom. Agric., Vitic., Arboric. 7. 1951, 47.
- Dactylosphaera vitifolii = Viteus vitifolii (Phylloxera vastatrix = Ph. vitifolii)
- Aleksidze, N. E., (Important resistance of Gruzian grape varieties to root phylloxera.) Akad. Nauk Gruzinskoi USSR. Inst., Vinograd, Vinodel. Trudy 7. 1951, 169—190.
- Barjona de Freitas, A. G., Observações sobre a influência das castas de V. vinifera L. enxertadas na emissão radical dos porta-enxertos. Agron. lusit. 13. 1951, 89—113, 4 fig., 6 tab.
- Bosian, G., Verbreitung der Reblaus durch die Winzer. Weinbau 6. 1951, 223—224. — Landbote 5. 1951, Nr. 24, S. 4.
- Branas, J., La lucha contra la filoxera. Vinos, Viñas, Frutas 45. 1951, 457—462.
- Breidbach, Die Verwendung von Wuchsstoffen in der Rebenveredelung. [Reblaus] Weinbau/Wiss. Beih. 5. 1951, 58—63, 92—94.
- Deshusses, J., Histoire de l'entomologie appliquée en Suisse avant l'invasion phylloxérique. Bull. Inst. nat. Genevois 54. 1951, 80—100.
- Fracassi, G., (Grapes and phylloxera.) Agric. Tosc. (ital.) 6. 1951, 285—287.
- Garoglio, P. G., Los productos quimicos en la lucha contra la filoxera. Vinos, Viñas, Frutas 46. 1951, 278—281.
- Götz, B., Baden und die Reblaus. Weinbau 6. 1951, 247.
- Götz, B., Untersuchungen über die Bekämpfungsmöglichkeit der Blattreblaus. Wein u. Rebe 1. 1951, 43—57.
- Häuser, K., Rebenanerkennung in Rheinhessen 1950. Weinbau 6. 1951, 31—32.
- Henner, J., Untersuchungen über die Anwendbarkeit des Frostspritzverfahrens im Weinbau zur Bekämpfung des Winteres der Reblaus. Pflanzenschutzberichte, Wien, 7. 1951, 1—10.
- Herschler, A., Voß und Sartorius, O., Über die Bodenverträglichkeit von Pfropfreben an Mosel, Saar und Ruwer. Weinbau/Wiss. Beih. 5. 1951, 37—55, 2 Abb.
- Heuckmann, W., und Endt, R. vom, Die Pfropfrebe ... das Ende der Reblausgefahr. Land- u. hauswirtsch. Auswert.- u. Inform.dienst, Frankfurt a./M. 1951?, 24 S. m. zahlr. Abb.
- Hochberg, N., (Problems of phylloxera in the world.) Hassadeh (hebr.) 31. 1951, 396—399.
- Jamieson, W., Phylloxera in grapevines. Queensland Fruit, Veg. News 2. 1951, nr. 3, p. 26—27.
- Kurz, L., Reblausfragen. Weinbau 6. 1951, 199.

- Mazanashvili, G., and Nanobashvili, I.**, (Certain questions of green operations on the mother plants of vines resistant to phylloxera.) Akad. Nauk Gruzinskoi SSR. Inst. Vinograd, Vinodel. Trudy 7. 1951, 85—97.
- Müller, F. P.**, Die Wirkung von Hexa- und Estermitteln auf Reblauseier. Nachr.bl. dtsh. Pfl.-schutzd., Berlin, NF. 5. 1951, 203—206.
- Ordish, F. G.**, La filoxera. Rev. Bol. Com. Rosario 39. 1951, nr. 958, p. 7—8. — Vinos, Viñas, Frutas 46. 1951, 189—190.
- Peyer, E.**, Die häufigsten Fehler, die bei Neuanlagen mit veredelten Reben gemacht werden. Schweiz. Ztschr. Obst-, Weinbau 60. 1951, 99—102.
- Peyer, E.**, Der Verbrauch von amerikanischem Unterlagenholz für die Rebveredlung in der Ostschweiz. Schweiz. Ztschr. Obst-, Weinbau 60. 1951, 419—423, 3 Abb.
- Peyer, E., und Huber, H.**, Die veredelten Reben in der Bündner Herrschaft. Schweiz. Ztschr. Obst-, Weinbau 60. 1951, 473—478, 3 Abb.
- Prints, I. I.**, Kul'tura evropeiskogo kornesobstvennogo vinograda v Moldavii. (Cultivation of European grape-vine on its own roots in Moldavia.) [phylloxera control] Gos. Izd-vo Moldavii, Kishinev 1951. 118 p.
- Rekach, V. N.**, (Scientific-industrial conference on the control of phylloxera.) Vinodel. i Vinograd. USSR. 11. 1951, nr. 8, p. 54—55.
- Romashko, I. S.**, (On the infestation of grape varieties with the leaf gall forms of phylloxera.) Vinodel. i Vinograd. USSR. 11. 1951, nr. 3, p. 38—40.
- Rosella, E.**, À l'aide d'insecticides »systémiques«; on pourra peut-être bientôt aider les hybrides à résister au phylloxera et replanter vignes sur vignes. Terre d'Oc 33. 1951, 281—283.
- Rovira Valle, F.**, Les vignobles de Chinchá attaqués par le phylloxera. Bull. Off. int. Vin 24. 1951, nr. 244, p. 117—119.
- Sartori, G.**, (Phylloxera.) Seme (ital.) 3. 1951, 151—152.
- Simmons, P., Barnes, D. F., and Snyder, E.**, Progress report on control of grape phylloxera. Wines and Vines 32. 1951, nr. 12, p. 22—23. — West. Fruit Grower 5. 1951, nr. 12, p. 13—14.
- [Stellwaag, F.]**, Die Krise in der Reblausbekämpfung. Weinbau 6. 1951, 128.
- Stellwaag, F.**, Versuche zur Abtötung der Reblaus unter Erhaltung des Stockes im Jahre 1950. Wein u. Rebe 1950/51, 15 S., 8 Abb.
- [Stellwaag, F.]**, Wie die Schweiz die Reblaus bekämpfte. Weinbau 6. 1951, 154—155.
- Thiem, H.**, Von der Reblauskrise gestern und heute. Einfluß der Reblausrassen-Forschung auf die Gestaltung der Reblausbekämpfung. Weinblatt, Neustadt-Hdt., 1951, Nr. 1 (Beil. Weinbau u. Kellerwirtsch. S. 15—16).
- Vega, J.**, Estado actual de la fitotecnía vitícola antifiloxérica. Vinos, Viñas, Frutas 46. 1951, nr. 550, p. 63, 65—66, 71, 73, 75—78.
- Zillig, H.**, Nekrosen zur Reblausbekämpfung ungeeignet. Weinbau 6. 1951, 28.

e. Virus

- Boubals, D., et Huglin, P.**, Sur la localisation et la transmission d'une mosaïque nécrotique de la vigne. [court-noué] Bull. Off. int. Vin 24. 1951, nr. 244, p. 101—104.
- Branas, J.**, La maladie de Californie (maladie de Pierce). Progr. agric. vitic. 136. 1951, 319—322.
- Caire, P.**, À propos du court noué. Réveil Agric. 60. 1951, 53.
- Faber, J.**, Die Reisigkrankheit. Weinbau/Wiss. Beih. 5. 1951, 65—72.
- Freitag, J. H.**, Host range of the Pierce's disease virus of grapes as determined by insect transmission. Phytopathology 41. 1951, 920—934, 3 fig.
- Hewitt, W. B.**, Virus and viruslike grape diseases. West. Fruit Grower 5. 1951, nr. 11, p. 12—13. — Wines and Vines 32. 1951, 393—395, 1 fig.
- Potapenko, I. I.**, (Protection of vineyards against spotty necrosis.) Vinodel., Vinograd. USSR. 11. 1951, nr. 8, p. 33—37.
- Rosella, E.**, À propos de guérison spontanée du court-noué de la vigne. Réveil Agric. 60. 1951, 371—372.
- Rosella, E.**, Plantées dans un bon terrain, les vignes court-nouées guérissent-elles spontanément? Terre d'Oc 33. 1951, 169—171.
- Stellwaag, F.**, Wichtiges über die Reisigkrankheit der Rebe. Mitt. höh. Bundeslehr-, Vers.anst. Wein-, Obstbau, Klosterneuburg, usw. 3. 1951, 91—94.
- Stenuit, D., and Piot, R.**, (Yellow chlorosis in grapevines.) In: Int. Congr. Tafeldruif (Versl. Not., Hoel-aart) 1951, 115—118.
- Stoll, K.**, Ist eine Desinfektion von viruskranken Pfropfreisern möglich? Schweiz. Ztschr. Obst-, Weinbau 60. 1951, 418—419, 1 Abb.
- Stoner, W. N., Stover, L. H., and Parris, G. K.**, Field and laboratory investigations indicate grape degeneration in Florida is due to Pierce's disease virus infection. Plant Dis. Repr. 35. 1951, 341—344, 3 fig.

8. Forstgehölze, Nutzhölzer, Holzzerstörer und Holzschutz Forest trees, timbers, parasites of wood and wood preservation Arbres forestiers, bois d'œuvre parasites et protection du bois

a. Allgemeiner Teil General part — Partie générale

- Achacoso, I.**, Food production does not mean forest destruction. *Forestry Leaves* 5. 1951, 13, 17.
- Anderson, E. A.**, Healing time for pruned Douglas-fir. *Timberman* 52. 1951, nr. 12, p. 74, 76, 78, 80. — U.S. Forest Serv. Forests Prod. Lab. Rept. R 1907. 1951, 5 p.
- Bakshi, B. K.**, Mortality of *Casuarina equisetifolia* Forst. *Indian Forest*. 77. 1951, 269—276, 2 tab.
- Baxter, D. V.**, Pathology in the future forest practice in Alaska. *Nat. Res. Council Bull.* 122. 1951, 119.
- Bejlin, I. G.**, Sanitarnoe sostojanie polesaschtsitnych nasashdenij i meroprijatija po predupreshdeniju massowych sabolewanij w nich. (Der sanitäre Zustand der feldschützenden Waldanpflanzungen und Maßnahmen zur Verhütung von Massenerkrankungen.) *Nautschn. wopr. polesaschtschn. lesoraswed.* nr. 1. 1951, 265—275.
- Birkenfeld, Flächen- oder Einzelschutz?** *Forstl. Mitt.* 4. 1951, 91—93.
- Borchers, Gebr.**, Kampf dem Waldverderb. Selbstverlag, Goslar 1951. 3. Aufl.
- Borsdorff**, Die Verteidigung des Grunewalds, forstliches Wiederaufbauwerk mit Hindernissen. *Holz-Zentralbl.* 77. 1951, 1757—1758.
- Boulton, E. H. B.**, The identification and treatment of defects in timber. *Brit. Wood Preserv. Assoc. Rec.* 1951, 52—71.
- Brunschwiler, J.**, Holzschädlinge. Mit einer Anleitung über Vorbeugungs- und Bekämpfungsmaßnahmen. Verb. schweiz. Schreinermeister u. Möbelfabrik., Zürich 1951. 104 S., 68 Abb.
- Buchholz, E.**, Die internationale Dokumentation in der Forst- und Holzwirtschaft. *Holz-Zentralbl.* 77. 1951, 299.
- Büch, C.**, Lichtmast als Schädlingsherd! *Saarl. Bauernbl.* 5. 1951, 208.
- Candida, F.**, (Considerations on deforestation in Calabria.) *Agenzia Romana Note e Inform. Agr.* 4. 1951, nr. 88, p. 7.
- Cardenosa-Barriga, R.**, Investigaciones sobre la «rayadilla» del platano en Colombia. *Mexico Of. Estud. Espec. Fol. Misc.* 4. 1951, 325—328.
- Carlson, A. E.**, Chemistry assumes increasing importance in forest management. [chemical control of insects, undesirable hardwoods, etc.] *South. Pulp. Paper Manufact.* 14. 1951, nr. 10—A, p. 7, 10, 12.
- Carrera, C. J. M.**, La enfermedad de las almácigas de coníferas en la Republica Argentina. *Buenos Aires Univ. Fac. Agron. Vet. Bol.* 30. 1951, 66 p.
- Ceballos, G.**, Un ensayo, en gran escala, de combate de plagas forestales empleando aviones. *Montes* 7. 1951, 408—409.
- Christensen, C. M., Anderson, R. L., Hodson, A. C., and Rudolf, P. O.**, Enemies of aspen. [diseases and pests] *U.S. Forest Serv. Lake States, Forest Exp. Stat., Lake States Aspen Rept.* 22. 1951, 16 p.
- Ciferri, R.**, La pioppicoltura italiana in relazione alle malattie del pioppo. (Italian poplar culture in relation to diseases of the poplar.) *Humus (ital.)* 7. 1951, nr. 4, p. 11—15.
- Clark, S. F., and Hebb, E. A.**, Mortality in pine stands during first year after logging. *South. Lumberman* 183. 1951, 256, 258.
- Cleveland, J.**, Are dogwoods doomed by disease? *Amer. Forests* 57. 1951, nr. 4, p. 12—14.
- Craighead, F. C., and Hutchins, L. M.**, The control of insects and diseases in North American forests. *U. Nat. Sci. Conf. Conserv., Util. Resources Proc.* 5 (1949). 1951, 55—57.
- Crespo, J. A.**, Decae el sauce-álamo en el Delta, y es tal vez a causa del «endemicamiento». *Mundo agric.* 3. 1951, nr. 22, p. 78.
- Davis, S. H.**, What's wrong with my tree? *N. Jersey agric. Exp. Stat., N. Brunswick, Circ.* 540. 1951, 12 p., fig.
- Dobrowolskij, B. W.**, Saschtschitu lesa ot wreditelej i bolesnej podnjat na wysschuju stupenj. (Den Schutz des Waldes gegen Schädlinge und Krankheiten auf eine höhere Stufe.) *Lesn. Chosjaistwo* 4. 1951, nr. 4, p. 66—68.
- Erden, R.**, Ormanların korunmasında böceklerle mücadeleleri önemi. (Die Bedeutung der Schädlingsbekämpfung im Forstschutz.) In: *Orman dâvamizîn ceditli yönlerine dair ilmi görüslar.* Ankara 1951, p. 67—68.
- Fernandez Valiela, M. V.**, Resumen de un estudio sobre el estado sanitario de los álamos del Delta. *IDIA (Inform. Invest. agric.)*, Buenos Aires, 4. 1951, nr. 42—43, p. 1—3.
- Foster, R. E., and Foster, A. T.**, Studies in forest pathology. VIII. Decay of western hemlock on the Queen Charlotte Islands, British Columbia. *Canad. J. Bot.* 29. 1951, 479—521.

- Fowler, M. E.**, Ways to stop losses of tanbark. Yearb. Agric. (U.S. Dept. Agric.) 1950—1951, 716—718.
- Francke-Grosmann, H.**, Eichensterben in Nordamerika. Holz-Zentralbl. 77. 1951, Nr. 146.
- Francke-Grosmann, H.**, Neuzeitliche Schädlingsprobleme in der Forstwirtschaft. Umschau 51. 1951, 593—595, 7 Abb.
- Fritz, C. W.**, Decay and stains in wood. In: Canadian woods, their properties and uses (2. ed., Ottawa 1951), chapter VI, p. 161—180.
- Gayler, W.**, Tannenschädlinge in den Jahren 1947 bis 1950. Allg. Forstztzshr. 6. 1951, 379—381, 2 Abb.
- Grasso, V.**, Un nuovo agente patogeno del Cupressus macrocarpa Hartw. in Italia. Ital. Forest., Montana, 6. 1951, 62—65.
- Gravatt, G. F.**, Observations on some new or undetermined tree diseases in Europe. Phytopathology 41. 1951, 561.
- Gurnsey, F. W.**, Collapse in western red cedar (*Thuja plicata*). Brit. Columbia Lumberman, Canada, 35. 1951, nr. 4, p. 44—45, 62.
- Gussev, W.**, und **Rimskij-Korsakow, M.**, (Bestimmungsbuch der Beschädigungen an Waldbäumen, Sträuchern und Zierholzgewächsen des europäischen Teiles der UdSSR.) Staatsverl. Forst u. Papier, Moskau 1951. 3. Aufl., 580 S., 334 Abb.
- Hennig, R.**, Das Douglasienholz und seine Feinde. Holz-Zentralbl. 77. 1951, 694—695.
- Henriksen, H. A.**, Röntgenfotoagrafering som diagnostik hjaelpemiddel ved undersøgelse af traer. (Röntgenaufnahme als diagnostisches Hilfsmittel bei der Untersuchung von Bäumen.) Dansk Skovforen. Tidsskr. 36. 1951, 515—520, 1 fig.
- Hensill, G. S.**, Shade tree fungicides and insecticides. Trees 11. 1951, nr. 3, p. 8, 26.
- Hierholzer, O.**, Richtige Düsenwahl bei Verwendung von Spritzgiften. Allg. Forstztzshr. 6. 1951, 241, 1 Abb.
- Höricht, W.**, Ohne Regenwürmer kein Wald. Unser Wald 4. 1951, Nr. 9, S. 19.
- Hubert, F. P.**, Common names of diseases of woody plants. Plant Dis. Repr. Suppl. 207. 1951, 205—235.
- Hufnagl, H.**, und **Puzyr, H.**, Grundbegriffe aus Forstschutz. Dargestellt in kurzen Absätzen. G. Fromme & Co., Wien 1951. 209 S., 86 Abb.
- Humberto, O. C.**, Plagas y enfermedades del bosque de Chapultepec. México Dir. Gen. Forestal y Caza 1951. 63 p.
- Hurfurd, A. W.**, Comments on the campaign to save the elm for Connecticut. Connecticut Arborist 5. 1951, nr. 2, p. 4—5.
- Huss, E.**, (On de-winging damages of seeds.) Mitt. forstl. Forsch.anst. Schwed. 39. 1951, No. 3, 56 S., 37 Abb.
- Hutchins, L. M.**, Diseases of shade and forest trees. Plants and Gard. 7. 1951, 120—122.
- Jaeger, H.**, Standorterkundung auf den Kahlflächen des Schadengebietes im Thüringer Wald. Forstwirtschaft-Holzwirtschaft 5. 1951, 211—222, 7 Abb., 1 Landkarte u. 240—249, 18 Abb.
- Klotz, K.**, Wo bleibt das »Waldschutzgesetz« in Bayern? Allg. Forstztzshr. 6. 1951, 160—161, 1 Abb.
- Koch, M.**, Neues Verfahren zur Bekämpfung waldbaulicher Schädlinge. Ztschr. Wiener ent. Ges. 36. 1951, 178—181.
- König, E.**, Harzgallen, Entstehung, Beeinträchtigung der Holzgüte. Norddtsch. Holzw. 5. 1951, Nr. 34.
- Kollmann, F.**, Organisation und Ausstattung des indischen Forstforschungsinstituts in New Forest (Dehra Dun). Holz-Zentralbl. 77. 1951, 1665—1666, 1683—1684.
- Kondratjew, N. A.**, Dwa goda raboty lesosaschtschnychny stanzij. (Zwei Jahre Arbeit der Waldschutzstationen.) Les i step 3. 1951, 53.
- Korsunskij, A. K.**, i **Gurinowitsch, L. S.**, Bolsche wnimanja stroitelstwu lesosaschtschnychny stanzij. (Mehr Aufmerksamkeit dem Bau von Waldschutzstationen.) Les i step 3. 1951, 12.
- Kusaka, M.**, (An abnormal cone of *Picea jezoensis*.) J. jap. Bot. 26. 1951, 255—256.
- Langner-Schmalenbeck, W.**, Die Frage der Anerkennung der zur Nachzucht geeigneten Bestände. Allg. Forstztzshr. 6. 1951, 148—149.
- Liese, J.**, Auffallende Erkrankung von Fichten. Forstw. — Holzw. 5. 1951, 125.
- Liese, J.**, Die Rindenfäule der Buche. Forstwirtschaft-Holzwirtschaft No. 1. 1951, 12—14, 2 Abb.
- Littlefield, E. W.**, Enemies in our midst. [tree diseases and insects pests] New York State Conserv. 5. 1951, nr. 6, p. 14—15.
- Lochow, W. P.**, Ob ustojtschiwosti sosny lentotschnychny borow Altajskogo kraja. (Über die Widerstandsfähigkeit der Kiefer in den Streifenheiden des Altai.) Lesn. chosjaistwo 4. 1951, 48—50.
- Lohrmann, R.**, Zur Schädlingsbekämpfung in Waldnaturschutzgebieten. Naturschutz u. Landschaftspflege 26. 1951, 17—18, 3 Abb.
- May, C.**, Dieback of elm. U. S. Bur. Plant Ind., Soils, agric. Engin., Beltsville, 1951, 2 p.
- Mayné, R.**, et **Donis, C.**, Insectes et champignons xylophages congolais. Bull. agric. Congo belge 42. 1951, 319—345.
- Metcalf, M. E.**, Importance and causes of timber mortality in eastern Montana forests. U.S. Forest Serv. north. Rocky Mountain Forest, Range Exp. Stat. Res. Note 93. 1951, 4 p.
- Meyer, K. H.**, Rätselhaftes Catalpa-Sterben — eine neue Krankheit. Dtsch. Baumsch. 3. 1951, 313—314.

- Milatović, I.**, (Some diseases of conifers in nurseries.) Sumarski List (croat.) 75. 1951, 164—167.
- Møller, C. M.**, og **Gram, K.**, Mørk kerne hos ask. (Dunkler Kern in Eschenholz.) Dansk Skovforen. Tidsskr. 36. 1951, 414—436.
- Morris, R. F.**, Tree injection experiments in the study of birch dieback. Forest. Chron. 27. 1951, 313—329.
- Neparokomow, A. W.**, Podgotowka mechanisatorow — washnejschaja sadatscha LSS. (Vorbereitung der Mechanisatoren — die wichtigste Aufgabe der Waldschutzstationen.) Les i step 3. 1951, 42.
- Nyström, B.**, (Destruction of wood by fungi and insects.) Våra Pälstdjur (swed.) 22. 1951, 173—179.
- Orloś, H.**, Przewodnik do oznaczania chorób drzew i zgnilizny drewna. (Handbuch zur Bestimmung von Baumkrankheiten und Holzfäule.) Warschau 1951. 376 p., 225 fig.
- Ow, Schädlinge an Pappeln.** Allg. Forstztzshr. 6. 1951, 244.
- Partch, R. E.**, Detecting defects in wood. Wood Working Digest, Wheaton (Ill.), 53. 1951, nr. 2, p. 43—48, 4 fig.
- Peace, T. R.**, The control of forest diseases and insect pests in Great Britain. U. Nat. Sci. Conf. Conserv., Util. Resources Proc. 5. 1951, 60—62.
- Pérez Enciso, M.**, Trasmochos en Güipúzcoa. (Destructive aspects of fuelwood cutting.) Montes 7. 1951, 114—118.
- Perkitny, T.**, **Wojciechowski, E.**, a **Wnuk, M.**, Pekanie surowca bukowego. Analiza przyczyn i sposobow zapobiegania. (Entstehung von Rissen in Buchenrohholz. Analyse der Ursachen und Verhütungsmaßnahmen.) Inst. Bad. Lesn., Prace, nr. 68. 1951, 59 p.
- Pelzman, D.**, Flying forester. Amer. Forests 57. 1951, nr. 9, p. 22—24, 41—42.
- Pfeffer, A.**, The control of forest diseases and insect pests. U. Nat. Sci. Conf. Conserv., Util. Resources Proc. 5. 1951, 62—66.
- Prokopenko, S. F.**, Primenenie opryskiwatelja OK-5,0 w polesaschtschnitnyh lesanasashdenijach. (Anwendung der Spritze OK-5,0 in den feldschützenden Waldanpflanzungen.) Les i step 3. 1951, 53.
- Pschorner-Walcher, H.**, Das Auftreten von Douglasien-schädlingen im Attergau. Allg. Forstztz., Wien, 62. 1951, 108—109.
- Quadri, M. A. H.**, Table of some of the more important forest and timber pests of West-Pakistan. Pakistan J. Forestry (Upper Topa Murree) 1. 1951, 238—240.
- Rennerfelt, E.**, Om några sjukdomar på lövträd i Förenta Staterna. (Über einige Laubbaumkrankheiten in den USA.) Svenska Skogsv.ören. Tidskr. 49. 1951, 371—383, 7 fig.
- Röhrig, Schädlinge im Wald.** Hannov. land- u. forstw. Ztg. 104, 1951, 673, 692—693, 1 Abb.
- Röhrig, Über Vorbeugungsmaßnahmen gegen Forstschädlinge.** Hannov. land- u. forstw. Ztg. 104. 1951, 755, 775, 795.
- Rol, R.**, Le dépérissement des chênes. Rev. Forest. franç. 1951, 707—709.
- Rontchevsky, W.**, Les défauts du bois. Bois Nat., Straßburg, 22. 1951, 206.
- Rontchevsky, W.**, Les vices du bois. Bois Nat., Straßburg, 22. 1951, 304, 506.
- Roosen, P.**, Les tests d'appréciation de la durabilité naturelle ou artificielle du bois. Bull. Soc. Forest. belg. 58. 1951, 393—415, 2 tab.
- Rubner, K.**, Neudammer Forstliches Lehrbuch. 3. Lieferung: Forstschutz. Neumann-Verlag, Radebeul-Berlin 1951. 353—576, 208 Abb.
- Saponaro, A.**, Un malanno dei platani. Giorn. Agric. 61. 1951, 234.
- Schadskij, S.**, Borba s kornewymi wrediteljami w pitomnikach i lesnych chosjaistwach Altajskogo kraja. (Bekämpfung der Wurzelschädlinge in Pflanzgärten und Forstwirtschaften im Altaigebiet.) Lesn. chosjaistwo 4. 1951, 79—81.
- Schimitschek, E.**, Über Krankheitsbegriff, Disposition und Vorbeugung im Forstschutz. Ztschr. angew. Ent. 33. 1951, 18—31.
- Schlenker, G.**, Schädlinge bei Pappelanpflanzung und Pappelanbau. Holzzucht 1951, H. 11.
- Schmidt, H.**, Die Schädlinge in unseren Forsten im Jahre 1950/1951. Landw.bl. Weser-Ems 98. 1951, 1083.
- Schmidt, H.**, Holzimport und Schädlingsfragen. Holz-Zentralbl. 77. 1951, 1218.
- Schmidt, H.**, Holzschädlingstafeln. Holz als Roh- u. Werkstoff 9. 1951, 331—332, 371—372, 473—474.
- Schoenichen, W.**, Wenn Wälder sterben. Unser Wald 4. 1951, Nr. 11, S. 3—4.
- Schreiner, E. J.**, Breeding poplars (Populus) for disease resistance. Plants and Gard. 7. 1951, 140—143, 3 fig.
- Schwerdtfeger, F.**, Pappelkrankheiten und Pappelschutz. In: Hesmer, H., Das Pappelbuch (Verlag Dtsch. Pappelverein, Bonn 1951), S. 155—186, Abb. 106—139.
- Stark, F.**, Die Rotstreifigkeit des Fichtenholzes. Österr. Vierteljschr. Forstwesen 92. 1951, 95—111, 4 Abb.
- Stebnicka, E.**, Wady drewna. (Holzfehler.) Warschau 1951. 160 p.
- Strohmeyer, G.**, Zur Frage der Nebenwirkung chemischer Schädlingsbekämpfungsmittel im Walde. Forstl. Mitt. 4. 1951, 122.
- Strokow, W. W.**, Nasuschtschnyje i nereschennyje woprosy saschtschity lesa. (Alltägliche und ungelöste Fragen des Forstschutzes.) Lesn. chosjaistwo (russ.) 4. 1951, nr. 5, p. 82—84.

- Thunell, B.**, Über die Drehwüchsigkeit. Holz als Roh-u. Werkstoff 9. 1951, 293—297.
- Vinš, B.**, Lesnická bibliografie a dokumentace. (Forstliche Bibliographie und Dokumentation.) Českosl. Les 31. 1951, 492—494.
- Wellenstein**, Leistungssteigerung im Walde durch wirtschaftliche Schadverhütung. Grüne Farbe 3. 1951, 9—11.
- Westcott, C.**, Diseases and pests of dogwood trees. Plants and Gard. (Brooklyn bot. Gard. Rec.) 7. 1951, 136—137, 4 fig.
- White, L. T.**, Forest pathology in Ontario. Thunder Bay Timber Oper. Assoc. Log Book 3. 1951, nr. 3, p. 6—7.
- Whitman, J. A.**, Some basic legal aspects of forest damage appraisals. J. Forestry 49. 1951, 514—517.
- Winkler, H.**, Tierische und pflanzliche Schädlinge an Eiche. Forstw.-Holzw. 5. 1951, 149—151.
- Woelfle, M.**, Schäden durch Borkenkäfer, Dürre und Hallimasch in den Jahren 1946 bis 1950 in Bayern. Allg. Forstsztschr. 6. 1951, 169—173.
- Young, R. A.**, Potential diseases of western shade trees. Nat. Shade Tree Conf. Proc. 27. 1951, 259—262.
- Zon, R.**, Forestry mistakes and what they have taught us. J. Forestry 207. 1951, 179—183.
- Zycha, H.**, Akute Probleme der Forstpathologie. Mitt. Biol. Zentralanst. Berlin-Dahlem H. 70. 1951, 43—45.
- Annual forest administration report of the State of Bombay, 1948—1949.** Governm. Centr. Press, Bombay 1951. 203 p.
- Bekämpfung von Pappelschädlingen.** Allg. Forstsztschr. 6. 1951, 261.
- The effectiveness of forest protection.** Amer. Forest Prod. Ind., Washington 1951. 8 p.
- Forest research in the United States** Department of Agriculture. FAO (Food, Agric. Org.), Rom 1951. 65 p.
- Forty years of forest research in the northern Rocky Mountain Region** Annual report. Missoula (Mont.) 1951. 62 p.
- Internationaler Pappelkongress in England** 25. April bis 2. Mai 1951. Allg. Forstsztschr. 6. 1951, 243—244.
- Kampf dem Waldverderb.** Gebr. Borchers A. G., Pflschutz-Abt., Goslar 1951. 40 S.
- Die Lage des deutschen Waldes.** Ein Rückblick auf die Schäden und Verluste der Kriegs- und Nachkriegszeit. Dtsch. Baumschule 3. 1951, 213—219.
- Naturvård i statens skogar.** (Protection of nature in the State forests.) Domänstyrelsen, Stockholm 1951. 39, 46 p.
- New pine disease reported in B. C.** Timberman, Portland, 52. 1951, 142.
- Report of the Forest Products Research Board for the years 1949 and 1950.** Dept. sci., ind. Res., London 1951. 50 p., 67 p.
- Report on forest research for the year ending March, 1950.** H. M. Stat. Off., London 1951. 126 p., 11 fig., 1 tab.
- Die Rißgefahr beim Rotbuchenholz.** Norddtsch. Holzw. 5. 1951, Nr. 18, S. 1—2.
- Thirty-first annual report of the Forestry Commissioners for the year ending September 30th, 1950.** H. M. Stat. Off., London 1951. 75 p., 11 tab. geogr.
- Uses of aerial photographs in forest protection.** J. Forestry 49. 1951, 630—633.
- Vermeidung von Holzverlusten.** Allg. Forstsztschr. 6. 1951, 20—21, 7 Abb.

b. Nichtparasitäre Krankheiten Diseases not caused by parasites Maladies non parasitaires

Klimaeinflüsse

Climatic influence — Influence du climat

- Aichinger, E., Gayl, A., und Hecke, H.**, Die Vegetationskartierung für Zwecke der Wildbach- und Lawinenverbauung. Angew. Pfl. soz. 2. 1951, 129—144.
- Bock, F.**, Tatsachenbericht über die im Winter 1950/51 abgegangenen Lawinen im Gebiete von Heiligenblut. Int. Holzmarkt 42. 1951, Nr. 19, S. 6—7.
- Claesson, G.**, Snöbrott på skogen. (Schneebruch im Walde. Ein Schaden, der in gewissen Fällen durch Aufmerksamkeit und Umsicht verhindert werden kann.) Skogen, Stockholm, 38. 1951, 33, 1 fig.
- Colman, E. A.**, Fire and water in southern California's mountains. U.S. Forest Serv. Calif. Forest, Range Exp. Stat. Misc. Paper 3. 1951, 8 p.
- Daigo, Y., and Maruyama, E.**, (The microclimatic observation on the method of protection of the tree trunk against cold.) J. agric. Met. (Soc. agric. Met. Japan) 7. 1951, 7—8.
- Day, W. R.**, The susceptibility to injury by experimental freezing of strains of European larch (*Larix decidua* Mill.) of varying geographical origin. Forestry 24. 1951, 39—56.
- Eichel-Streiber, H. v.**, Immer noch »Buchensterben«. Allg. Forstsztschr. 6. 1951, 511.
- Francke-Grossmann, H.**, Eichensterben in Nordamerika. Holz-Zentralbl. 77. 1951, 1804.
- Gadenz, K.**, Die Schneeschäden des Winters 1950/51 in Österreichs Forstwirtschaft. Allg. Forstztg. 62. 1951, 131—132.
- Galoux, A.**, Les dégâts de neige en forêt. Bull. Soc. R. Forest. belg. 58. 1951, 281—290.

- Geiger, R.**, Die Waldgefährdung durch den Dürre-sommer 1947. Forstwiss. Centralbl. 70. 1951, 349—355.
- Glock, W. S.**, Cambial frost injuries and multiple growth layers at Lubbock, Texas. Ecology, Lancaster, 32. 1951, 28—36, 8 fig.
- Härtel, O.**, Was lehrt uns das letzte Lawinenjahr? Int. Holzmarkt 42. 1951, Nr. 18, S. 41—43.
- Hepting, G. H., Miller, J. H., and Campbell, W. A.**, Winter of 1950—51 damaging to southeastern woody vegetation. Plant Dis. Repr. 35. 1951, 502—503.
- Herrmann, E.**, Schutz der Wälder gegen atmosphärische Einwirkungen und außerordentliche Naturereignisse. In: Rubner, K., Neudammer forstl. Lehrb. (Neumann, Berlin 1951), S. 354—374.
- Hilf, H. H.**, Windschutz durch Flurholzanbau. Eine forstliche Aufgabe im Dienste der Landeskultur. Forstarchiv 22. 1951, 106—109, 4 Abb.
- Hilf, R. B.**, 110 Jahre Windschutzstreifen auf dem Westerwald. Forstarchiv 22. 1951, 101—106, 3 Abb., 1 Landkarte.
- Hoare, E. R.**, Frost protection experiments with special reference to the work at Wisley. Sci. Hortic. 10 (1950/51). 1951, 89—92.
- Hosoi, M., Matsumoto, M., and Manabe, T.**, (On the causes and season of the vanish of the red pine young tree. I.) Jap. Forestry Soc. Trans. 59. 1951, 103—105.
- Ivashchenko, A. I.**, (Pyramidal cypress (*Cupressus sempervirens*) resistance to snow.) Glav. Bot. Sad., Moscow, Bull. 10. 1951, 60—61.
- Iwanow, G. S.**, O pritschinach usychanija dubowych kultur w lesnoj datsche Benderskogo leschosa. (Über die Ursachen des Austrocknens der Eichenkulturen im Forstrevier des Benderschen industriellen Forstpunkts.) Lesn. chosjaistwo 4. 1951, 51—55.
- Jaeger, H.**, Die Schnee-, Luft- und Sturmschäden im Wuchsbezirk des Mittleren Thüringer Waldes. Forstw. Holzw. 5. 1951, 66—71.
- Jansen, Das Buchensterben? Der Anfang vom Ende!** Forst und Holz 6. 1951, 159—160.
- Kirwald, E.**, Wildbachgebietsbetreuung und natur-naher Wildbachausbau. Allg. Forstztzshr. 6. 1951, 236—240, 7 Abb.
- Komarovskii, P. O.**, (Causes for the drying up of trees in the Buzulukskii pine forest.) [soil moisture deficiency and climatic conditions] Lesn. Khoz. (russ.) 4. 1951, nr. 5, p. 32—33.
- Lambert, J.**, Dégâts de neige en Ardenne. Bull. Soc. R. Forest. belg. 58. 1951, 290—300.
- Lantelmé, W.**, Der Barfrost. Forstwiss. Centralbl. 70. 1951, 628—638.
- Martz, R. O.**, Influence of crown reduction on spring-wood and summerwood distribution in longleaf pine. J. Forestry 207. 1951, 183—189.
- Memelink, G.**, (Effect of the dry year 1947: the growth of larch, Douglas and pine.) Nederl. Heidemaatsch. Tijdschr. 62. 1951, 299—302.
- Meyer, H.**, Eichensterben in Nordamerika. Holz-Zentralbl. 77. 1951, 859.
- Mickalitis, A. B.**, Thousands of trees weakened by November 1950 storm. Pennsylv. Forest. Wat. 3. 1951, 40.
- Nelson, T. C.**, Ice damage high for spindley residual saplings. Forest Farmer 10 (11, i. e. 12). 1951, 6.
- Rausch, H.**, Fragen um das Buchensterben. Forst u. Holz 6. 1951, 323—324.
- Redding, H.**, Ice storms present problem to national forest plantations in Louisiana. Forests and People 1. 1951, nr. 2, p. 28.
- Rennerfelt, E., und Thunell, B.**, (Untersuchungen über den Rotkern der Buche.) [Frostkern] Mitt. forstl. Forsch.anst. Schwed. 39. 1951, Nr. 4, 36 S., 16 Abb.
- Robak, H.**, Noen iakttakelser til belysning av forholdet mellom klimatiske skader og soppangrep på nåletrær. (Some observations to elucidate the connexion between climatic injuries and fungal infection of conifers.) Vestl. forstl. Forsøksstat. Medd. 27. 1951, nr. 8, 2, 43 p., 6 fig., 1 tab. geogr.
- Rudoj, A. I.**, O soleustojtschiwosti i morosostojkosti nekotorych dresewnych porod na priasowskich solontschakach. (Über die Salz- und Kältefestigkeit einiger Holzarten auf den Solontschakböden des Asowgebiets.) Bot. Shurnal 36. 1951, 66—67.
- Rupf, H.**, Ein Beitrag zur Klärung der Dürreschäden. Allg. Forstztzshr. 6. 1951, 389—394, 5 Abb.
- Scalambretti, F.**, Danni da neve e gelo nella foresta di Camaldoli. (Schnee- und Frostscha-den im Wald von Camaldoli.) Ital. Forest., Montana 6. 1951, 203, 2 fig.
- Schimitschek, E.**, Dürreschäden und Folgeerscheinungen 1950 in Niederösterreich und Burgenland. Österr. Forst- u. Holzw., Wien, 6. 1951, 245—247, 268—270, 3 Abb.
- Schindler, U.**, Das Buchensterben. Bisherige Veröffentlichungen und Auswertung der staatlichen Unterlagen. Forstarchiv 22. 1951, 109—119, 6 Abb., 1 Landkarte.
- Schlatter, A. J.**, u. a., Lawinenverbau. Ztschr. schweiz. Forstver. Beih. 26. 1951, 93 S.
- Schober, R.**, Zum Einfluß der letzten Dürrejahre auf den Dickenzuwachs. Forstwiss. Centralbl. 70. 1951, 204—228, 7 Abb.
- Sotter, K.**, (Snow injuries in the Hälsinge forests.) Tidskr. Hushållsk., Skoogsvårdsstyr. Gävleborgs Län 27. 1951, 131—132.

- Steinwender, H.**, Anwendung pflanzensoziologischer Erkenntnisse in der vorbeugenden Bekämpfung von Wildbachschäden. *Angew. Pfl. soziol.* 2. 1951, 145—148.
- Svedmark, B.**, (Snow damage.) Skogen, Stockholm, 39. 1951, nr. 1, p. 6—7.
- Svedmark, B.**, (Snow damage in the forest during the winter 1950—51.) Västerbotten (swed.) 4. 1951, 105—108.
- Van der Linde, R. J., and Woudenberg, J. P. M.**, On the microclimatic properties of sheltered areas. The oak-coppice sheltered area. *Inst. toegepast biol. Onderz. Natuur, »Mariendaal«*, Oosterbeek, Meded. nr. 10. 1951, 151 p., 52 fig., 8 tab.
- Vité, P.**, Methode und Ergebnis einer Sturmschadenkartierung im Lehrforstamt Bramwald (Oberweserbergland). *Forstwiss. Centralbl.* 70. 1951, 336—346, 1 Abb., 4 Landkart.
- Voigt, G. K.**, Causes of injury to conifers during the winter of 1947—1948 in Wisconsin. *Wisconsin Acad. Sci. Arts Let. Trans.* 40. 1951, nr. 2, p. 241—243.
- Watt, R. F.**, Snow damage in a pole stand of western white pine. *North. Rocky Mt. Forest, Range Exp. Stat., Missoula, Mont. Res. Note* nr. 92. 1951, 4 p.
- Zycha, H.**, Das Buchensterben, Ursache und Prognose. Göttinger Univ. forstl. Fak. *Schr.reihe* 2. 1951, 75—78.
- Zycha, H.**, Das Rindensterben der Buche. [Vertrocknungserscheinungen] *Phytopath. Ztschr.* 17. 1951, 444—461, 11 Abb.
- Chablis de neige.** *Bull. Soc. R. Forest. belg.* 58. 1951, 33—37.
- Schweiz:** Bericht über die Tätigkeit des Eidgenössischen Institutes für Schnee- und Lawinenforschung 1949/50. *Schweiz. Ztschr. Forstwesen* 102. 1951, 378—389.
- Vorläufige Zusammenstellung** der Lawinenschäden im Winter 1950/51. *Schweiz. Ztschr. Forstwesen* 102. 1951, 227—228, 1 Tab.
- Bodeneinflüsse und chemische Einflüsse**
 Soil and chemical influences
Influence du sol et influences chimiques
- Aughanbaugh, J. E.**, Forest, soil and water conservation. *Pennsylv. Forest. Wat.* 3. 1951, 26—31, 45.
- Beltran, V.**, (Stérilisation du sol dans les pépinières forestières.) *Gozdarski Vest. (slov.)* 9. 1951, 104—105.
- Bensend, D. W.**, The effect of nitrogen on the growth and drought resistance of Jack pine seedlings grown in sand cultures and in nursery soil. *Minnesota Univ. Sum. Ph. D. Theses* 5. 1951, 29—34.
- Benvenuti, B.**, Effetti da carenza di elementi biogeni su piante di olmo. *Ital. Forest., Montana* 6. 1951, 64—66.
- Gessel, S. P., Walker, R. B., and Haddock, P. G.**, Preliminary report on mineral deficiencies in Douglas-fir and western red cedar. *Amer. Soil Sci. Soc. Proc.* 15 (1950). 1951, 364—369.
- Halls, L. K., and Burton, G. W.**, Effect of 2, 4-D, 2, 4, 5-T and sodium trichloroacetate on gallberry. [*Ilex glabra*] *J. Forestry* 49. 1951, 895—897, 2 fig.
- Heiberg, S. O., and White, D. P.**, Potassium deficiency of reforested pine and spruce stands in northern New York. *Amer. Soil Sci. Soc. Proc.* 15 (1950). 1951, 369—376.
- Moltschanowa, W. A.**, Wlijanie dusta DDT na prishiwajenostj tscherenkow topolja. (Der Einfluß von DDT-Dust auf das Anwachsen der Pappelstecklinge.) *Les i step* 3. 1951, 79—80.
- Shaw, Ch. G., Fischer, G. W., Adams, D. F., and Adams, M. F.**, Fluorine injury to ponderosa pine. *Phytopathology* 41. 1951, 943.
- Shaw, Ch. G., Fischer, G. W., Adams, D. F., Adams, M. F., and Lynch, D. W.**, Fluorine injury to ponderosa pine: a summary. *Northwest. Sci.* 25. 1951, 156.
- Slankis, V.**, Über den Einfluß von β -Indolylessigsäure und anderen Wuchsstoffen auf das Wachstum von Kiefernurzeln. I. A.-B. *Lundequistska Bokhandeln, Uppsala* (1951). 63 p., 46 fig.
- Zrazhevskii, A. I.**, (Methods of investigating the activity of earthworms in soils under a forest canopy.) *Akad. Nauk Ukrain. RSR. Inst. Lisivnytstva, Pratsi* 2. 1951, 3—42.
- Chemical brown stain in pine.** *Forest Prod. Lab., Madison (Wisconsin)*, nr. 254 (rev. Apr.). 1951, 3 p.

Waldbrände

Forest fires — Incendies de forêts

- Aamodt, E. E.**, Jeep plow. *Fire Control Notes* 12. 1951, nr. 2, p. 32—34.
- Aamodt, E. E.**, A slip-on attack unit. *Fire Control Notes* 12. 1951, nr. 4, p. 34—38.
- Adams, M. O.**, Fire danger manning guide. *Fire Control Notes* 12. 1951, nr. 3, p. 34—37.
- Allouard, P.**, Forest fire control in tropical countries — experience in Cambodia. *U. Nat. Sci. Conf. Conserv., Util. Resources Proc.* 5. 1951, 43—49.
- Allouard, P.**, La lutte contre les incendies de forêt dans les pays tropicaux. *Rev. int. Bois, Paris*, 18. 1951, 13—16.
- Andrus, S. R.**, Permanent towers protect our western forests. *Wood Preserv. News* 29. 1951, 15, 28.

- Angell, H. W.**, Fire-retardant plywood and lumber. Wood Working Digest, Wheaton (Ill.), 53. 1951, 159—162, fig.
- Ash, L. W.**, Paper-covered piled slash. Fire Control Notes 12. 1951, nr. 3, p. 18—19.
- Baird, J. C.**, Forest fire scoreboard. Fire Control Notes 12. 1951, nr. 2, p. 8—9.
- Barrows, J. S.**, Fire behavior in northern Rocky Mountain forests. U.S. Forest Serv. North. Rocky Mountain Forest, Range Exp. Stat. Paper 29. 1951, 103 p.
- Barrows, J. S.**, Forest fires in the northern Rocky Mountains. U.S. Forest Serv. North. Rocky Mountain Forest, Range Exp. Stat. Paper 28. 1951, 251 p.
- Barrows, J. S.**, Lightning fires in the northern Rocky Mountains. Fire Control Notes 12. 1951, nr. 3, p. 24—28.
- Baumgartner, A.**, Waldbrände in Bayern im Jahre 1950. Allg. Forstztschr. 6. 1951, 142—144.
- Beall, H. W.**, Some modern aspects of forest fire control in Canada. U. Nat. Sci. Conf. Conserv., Util. Resources Proc. 5. 1951, 40—43.
- Beech, C.**, Fire danger in our woods. Co-op. Home Mag. 56. 1951, nr. 8, p. 15.
- Bergien, A.**, Kleine Ursachen — große Wirkungen! [Waldbrand] Unser Wald 4. 1951, Nr. 7/8, S. 22.
- Blake, C. D.**, Safety on the fire line. Fire Control Notes 12. 1951, nr. 3, p. 40—41.
- Boddy, H.**, This forest grew again! Destroyed by fire; replanted by nature; saved by conservation. Better Farming Methods 23. 1951, nr. 4, p. 10, 12—13.
- Borath, R.**, Wie können wir helfen? Vorbeugende Schutzmaßnahmen und Waldbrandbekämpfung. Unser Wald 4. 1951, Nr. 2, S. 5—7.
- Brown, A. A.**, Forest fire control. U. Nat. Sci. Conf. Conserv., Util. Resources Proc. 5. 1951, 34—40.
- Bruce, D.**, Fire resistance of longleaf pine seedlings. J. Forestry 49. 1951, 739—740.
- Bruce, D.**, Fuel weights on the Osceola National Forest. [effect on fire damage and fire suppression] Fire Control Notes 12. 1951, nr. 3, p. 20—23.
- Budansky, G.**, Los incendios forestales en Venezuela. Agr. Venezol. 16. 1951, nr. 155, p. 24—28.
- Burgoyne, J. H.**, and **Richardson, J. F.**, Influence of zinc chloride on the ignition of Scotch pine and its charcoal. Fuel 30. 1951, 13—16.
- Byram, G. M.**, and **Nelson, R. M.**, The possible relation of air turbulence to erratic fire behavior in the Southeast. Fire Control Notes 12. 1951, nr. 3, p. 1—8.
- Callaghan, J.**, Development of tank trucks in fire suppression. West. Forestry, Conserv. Assoc. Proc. 42. 1951, 55—58.
- Chorlton, R. W.**, The preparation of visible area maps by field sketching. Forest Fire Res. Note nr. 16. 1951.
- Clark, E. E.**, Smokejumpers — the quickest way to the fire. Pacific Discovery 4. 1951, nr. 4, p. 4—14.
- Colman, E. A.**, Fire and water in southern California's mountains. U.S. Forest Serv. Calif. Forest, Range Exp. Stat. Misc. Pap. 3. 1951, 8 p.
- Cook, L. F.**, The 1950 forest fire record. Nat. Parks Mag. 25. 1951, nr. 104, p. 8—9.
- Cooper, R. W.**, Release of sand pine seed after a fire. J. Forestry 49. 1951, 331—332, 3 fig.
- Cramer, O. P.**, and **Kirkpatrick, R.**, Comparative ratings of 1951 forest fire weather in western Oregon. U.S. Forest Serv., Pacific northwest. Forest, Range Exp. Stat. Res. Notes 76. 1951, 5 p.
- Cromer, D. A. N.**, Fire weather forecasting in Australia. U. Nat. Sci. Conf. Conserv., Util. Resources Proc. 5. 1951, 53—55.
- Davis, C.**, Smokey is convincing a nation: only you can prevent forest fires. Amer. Forests 57. 1951, nr. 4, p. 6—10, 40—41.
- Dean, G.**, Fire prevention notices in Virginia. Fire Control Notes 12. 1951, nr. 4, p. 10—11.
- Defne, M.**, Orman yanginlari ve propaganda. (Waldbrände und Propaganda.) Orman ve Av, Ankara, 23. 1951, 91—93, 3 fig.
- Del Besque, A.**, Prevención de incendios: Chihuahua, Durango y Michoacán prosiguen la campaña. Mensajero Forest. 9. 1951, nr. 80, p. 11.
- Dillon, J. C.**, Progress? Well let's see. [forest fire control] Sylva, Toronto, 7. 1951, nr. 6, p. 35—37.
- Doignon, P.**, Facteurs météorologiques, conditionnant les incendies en forêt de Fontainebleau. Rev. Forest. franç. 37. 1951, 349—363, fig.
- Doyle, J. A.**, A survey of forest fire causes and suggested corrective measures. Forestry Chron. 27. 1951, 335—348.
- Dugelay, A.**, Du contre-feu. Rev. Forest. franç. 37. 1951, nr. 1, p. 31—38.
- Dugelay, A.**, La remise en valeur des forêts de chênes-lièges incendiées. Rev. Forest. franç. 37. 1951, 687—694, 4 fig.
- Everts, A. B.**, Railroad tank car. [effective fire suppression equipment] Fire Control Notes 12. 1951, nr. 3, p. 10—11.
- Everts, A. B.**, A skyline fire extinguisher. Fire Control Notes 12. 1951, nr. 3, p. 44—46.
- Fahnestock, G. R.**, Correction of burning index for the effects of altitude, aspect, and time of day. (Korrektur des Waldbrand-Index' für die Einwirkungen von Höhe, Lage und Tageszeit.) North. Rocky Mt. Forest Range Exp. Stat., Missoula Mt. Res. Note 100. 1951, 3 p.

- Fairbank, W. H.**, Upward climb of man caused (forest) fires in state halted. *Calif. Cattleman* 1951, 11—13.
- Fearon, B. H.**, Fire hazard sign. *Canad. Pulp, Pap. Assoc. Woodlands Sect. Index* 1217. 1951?, 2 p.
- Ferris, C.**, Planning heliport sites. *Fire Control Notes* 12. 1951, nr. 4, p. 1—8.
- Fitzgerald, O. A.**, Two men and a rock. [forest fire protection] *Amer. Forests* 57. 1951, nr. 9, p. 14—15, 34.
- France, A. E.**, Use of aircraft for forest fire detection in West Virginia. *Fire Control Notes* 12. 1951, nr. 4, p. 42—46, 3 fig.
- Friedrich, C. A.**, Forest fire-thunderstorm, knockout combination for watersheds. *U.S. Forest Serv. north. Rocky Mountain Forest, Range Exp. Stat. Res. Note* 102. 1951, 15 p.
- Fuchs, A.**, Es brennt im Jagen 34! *Unser Wald* 4. 1951, Nr. 3, S. 14—15.
- Galicia, D. F.**, Manual de prevencion y extincion de incendios forestales para uso de la escuelas del estado de Chihuahua. *Mexico Assoc. Nac. Prod. Maderas de Pino* 1951, 19 p.
- Gomez, L.**, Las quemas y la deforestación. *Agric. trop.* 7. 1951, 21—25.
- Grace, H. D.**, Intensive pre-planning for fire suppression. *Fire Control Notes* 12. 1951, nr. 2, p. 37—46.
- Gustafson, G. W.**, Montana rural fire fighters service. *Fire Control Notes* 12. 1951, nr. 4, p. 22—24.
- Hagenstein, W. D.**, What should be the State responsibility on unburned restocked areas? *West Forestry, Conserv. Assoc. Proc.* 42. 1951, 42—43.
- Hall, R. L.**, The helicopter as a fire-fighting unit. *Canad. Pulp Pap. Assoc. Woodlands Sect. Index* 1200. 1951?, 4 p.
- Hanchet, W. H. D.**, and **Drummond, J. W. R.**, The use of helicopters to combat forest fires. *Woodl. Rev., Gardenvale (Que.)*, 1951, 2—4, 2 fig.
- Harada, Y.**, and **Yanagisawa, T.**, (Study on the environment of the forest after the fires and its method of afforestation.) *Hokkaido Forestry Exp. Stat., Sapporo Br., Bull.* 20. 1951, 150 p.
- Hargrave, T. C.**, All fires start small, let's talk of little ones that never got away. *Brit. Columbia Lumberman* 35. 1951, nr. 8, p. 83—85, 91.
- Haynes, W. I.**, Battery consumption by lookout-repeater type radiophone. *Fire Control Notes* 12. 1951, nr. 3, p. 32—33.
- Heacox, E. F.**, Should limited clearance be granted by the State on unburned slash areas which, because of silvicultural reasons, do not require hazard reduction? *West. Forestry, Conserv. Assoc. Proc.* 42. 1951, 43—44.
- Hitz, E.**, Versicherung des Waldbrandschadens. *Prakt. Forstwirt Schweiz* 87. 1951, Nr. 4, S. 81—84.
- Hoffman, P.**, Putting eyes in the Service. [fire towers] *Sylva, Toronto*, 7. 1951, nr. 5, p. 11—14.
- Hornsmann, E.**, Uns zur Warnung! Entwaldung führt zu Waldbränden und Überschwemmungen. *Unser Wald* 4. 1951, Nr. 4, S. 9—10.
- Houiller, E.**, La défense des forêts contre l'incendie. *Bois* 68. 1951, nr. 2, p. 1, 3.
- Howard, M. C.**, Cooperators' fire finders. *Fire Control Notes* 12. 1951, nr. 3, p. 38—39.
- Hughes, R. H.**, and **Rea jr., J. L.**, Forage for fire protection; grazed firebreaks in the North Carolina Coastal Plain. *South. Lumberman* 183. 1951, nr. 2297, p. 157—160.
- Jackson, S.**, Safety device for lookout tower ladders. *Fire Control Notes* 12. 1951, nr. 3, p. 9.
- James, G. S.**, Management of functional line men on fires. *Fire Control Notes* 12. 1951, nr. 2, p. 35—36.
- Jefferson, F. J.**, Machines and theories. *Fire Control Notes* 12. 1951, 12—14.
- Johnson, C. E.**, and **Thomas, L. R.**, The polaroid camera in fire control. *Fire Control Notes* 12. 1951, nr. 2, p. 24—25.
- Johnson, F. J. G.**, We need certified fire wardens. *Brit. Columbia Lumberman* 35. 1951, nr. 10, p. 53—54, 126, 130.
- Jolain, R.**, Protection of forests — forest fire control. *U. Nat. Sci. Conf. Conserv., Util. Resources Proc.* 5. 1951, 50—53.
- Kelly jr., A. W.**, Forest fires set new low. *West Virginia Conserv.* 15. 1951, nr. 4, p. 12, 30.
- Kelly jr., A. W.**, Record shows fewer forest fires last fall. *West Virginia Conserv.* 14. 1951, nr. 11, p. 7—8.
- Kinney, C. L.**, and **Vogler, A. H.**, Cooperative forest fire control in Pennsylvania. *Fire Control Notes* 12. 1951, nr. 4, p. 18—19.
- Kling, J. B.**, Cooperative forest fire control. Policy determination and administration in the Clarke-McNary grant-in-aid program. *N. York State Univ. Coll. Forest., Syracuse* 1951. 106 p.
- Kurbatskii, N. P.**, (On equipping the forestry enterprises with means for fire fighting.) *Lesn. Khoz. (russ.)* 4. 1951, nr. 3, p. 77—79.
- Kutluk, O.**, Orman ve yangin teskilleri ve plânları-yangin korusu dolayısıyla de ön ve son sözümleri. (Forst- und Brand-Formationen und ihre Pläne wegen des Feuerschutzes — auch mein Vor- und Nachwort.) *Orman ve Av, Ankara*, 23. 1951, 211—216, fig.
- Lanninger, K. L.**, Fortschritte in der Berechnungstechnik, im Feuerlöschwesen und im Forstschutz. Selbstverlag Sekretar. Lanninger-Planes, Abt. Berechnungsphysik, Frankfurt/Main-W. 1951, 116 S.
- Lemay, N.**, It could happen here; think we'll never have another super-colossal forest fire? Don't be over-confident. Maine had a good fire record, too. *Wisconsin Conserv. Bull.* 16. 1951, nr. 9, p. 15—16.

- Leonard, R. B.**, Collapsible fire camp table suitable for dropping from an airplane. *Fire Control Notes* 12. 1951, nr. 4, p. 28—29.
- Lind, O.**, Portable headlight unit for tractors. *Fire Control Notes* 12. 1951, nr. 4, p. 26—27.
- Lindenmuth jr., A. W., Keetch, J. J., and Nelson, R. M.**, Forest fire damage appraisal procedures and tables for the Northeast. U.S. Forest Serv. Southeast. Forest Exp. Stat. Pap. 11. 1951, 28 p.
- Lindenmuth jr., A. W., and Nelson, R. M.**, Forest fire danger measurement in the United States. *Unasylva*, Rom, 5. 1951, 67—70.
- Linton, N. L.**, Volunteer forest guards. [fire fighting] *Amer. Forests* 57. 1951, nr. 9, p. 18—20, 47.
- Lowndes jr., R. L.**, A home in the sky. [fire towers] *South. Lumberman* 183. 1951, nr. 2297, p. 118—190.
- Lull, H. W.**, Forest fire smoke of September 1950. *J. Forestry* 49. 1951, 286.
- McCoy, S. B.**, The forest protection shop keeps 'em rolling. [fire fighting equipment] *Wisconsin Conserv. Bull.* 16. 1951, nr. 6, p. 18—21.
- McKee, R. G.**, The British Columbia viewpoint on slash disposal. [in relation to forest fires] *West. Forestry, Conserv. Assoc. Proc.* 42. 1951, 36—37.
- McKee, R. G.**, Slash problems in British Columbia. [fire hazard] *Brit. Columbia Lumberman* 35. 1951, 106, 108, 110.
- Matsumoto, Y., and Imai, S.**, (On the relation of the forest fire and the humid factor.) *Jap. Forestry Soc. Trans.* 59. 1951, 179—181.
- Meyer, A. B.**, A story of radio and forest fires. *Missouri Conserv. J.* 12. 1951, 1—3.
- Miller, R. B.**, Fire tower talk. *New York State Conserv.* 6. 1951, nr. 2, p. 14—15.
- Mitchell, W.**, Volunteer fire prevention clubs in Oklahoma. *Fire Control Notes* 12. 1951, nr. 2, p. 26—28.
- Moore, R. B.**, The flannelgraph as a fire control training aid. *Fire Control Notes* 12. 1951, nr. 4, p. 15.
- Mouton, G.**, Lutte contre les incendies en forêt de Fontainebleau. *Rev. Forest. franç.* 37. 1951, 364—374.
- Nelson, A. L.**, Fire fighting — 1911 and 1951. *Conserv. Volunteer* 14. 1951, nr. 83, p. 38—39.
- Nieland, L. T.**, A way to prevent woods fires; costs so little yet saves so much. *Florida Grower* 59. 1951, nr. 2, p. 30.
- Nygaard, J.**, Forest fire insurance in Norway. *J. Forestry* 49. 1951, 337—338.
- Nygaard, J.**, (Forest fires and forest fire control in America.) *Skogbrukeren* 26. 1951, 65—73, 82—91.
- Overlien, E.**, Mosinee: the latest in forest protection. [fire control] *Wisconsin Conserv. Bull.* 16. 1951, nr. 7, p. 22—23.
- Pepler, W. A. E.**, Some suggestions for reducing fire hazards on our operations. *Pulp, Paper Mag. Canada* 52. 1951, nr. 8, p. 115—116.
- Perry, E. L.**, Fighting forest fires from the sky newest answer to an old problem. *New Mexico Stockman* 16. 1951, nr. 6, p. 17—18.
- Pesterev, P. G.**, (To limit the action of forest fires.) *Lesn. Khoz. [russ.]* 4. 1951, nr. 3, p. 80—83.
- Pfeffer, A.**, Moderne Verfahren zur Verhütung von Waldbränden. *Allg. Forstztg., Wien*, 62. 1951, 96—97, 2 Abb.
- Pietraszkiewicz, J.**, Przyczyny i warunki powstawania pożarów leśnych. (Ursachen und Bedingungen für die Entstehung von Waldbränden.) *Las Polski* 25. 1951, 8—9.
- Pogue, R.**, Much has been done. [forest fire control] *Monthly Conserv.* 12. 1951, nr. 2, p. 1—3.
- Prax, J.**, La protection contre l'incendie des reboisements domaniaux du Nord-Ouest de l'Hérault. *Rev. Forest. franç.* 37. 1951, 281—291.
- Renon, M.**, Météorologie et incendies de forêts dans le Var. *Rev. Forest. franç.* 37. 1951, 695—703.
- Richardson, S. D.**, Forest fire insurance. *Quart. J. Forestry (England)* 45. 1951, 222—226.
- Ringstad, S. P.**, When, where, why and how do forest fires start? *Wisconsin Conserv. Bull.* 16. 1951, nr. 10, p. 13—16.
- Rodgers, E. E.**, KVG fire fighting crews. [keep Virginia green training program] *Virginia Forests* 6. 1951, nr. 6, p. 6—7.
- Rowland, H. B.**, Prevention pays off. [forest fires] *Forest Warden News* 25. 1951, nr. 2, p. 1—2.
- Rowland, H. B., and Smith, W. H.**, Reclaiming »Pennsylvania's desert«. [chiefly in the control of forest fire] *Pennsylv. Forests, Waters* 3. 1951, 4—7, 20—21.
- Schoen, P. W.**, Are you burning dollar bills? [forest fire prevention] *Progr. Farmer (Texas Ed.)* 66. 1951, nr. 2, p. 66, 68—69.
- Sellon, F.**, Défense des forêts contre l'incendie. *Rev. Agric. Afr. Nord* 49. 1951, 14—16.
- Simms, D. L.**, Fire hazards of timber. *Rec. brit. Wood Preserv. Assoc.* 1951, 72—90.
- Simpson, L. L.**, Southern Oregon conservation and tree farm association radio system. *Washington Univ. Forest Club Quart.* 24 (1950). 1951, 8—9.
- Starkweather, M. H.**, Montana smokejumpers. *Nat. Gard.* 22. 1951, nr. 11/12, p. 4—5.
- Stauffer, J. M.**, Statistics often dodge the facts; complete story of forest fires is disregarded when offhand comparisons are made. *Alabama Conserv.* 22 (1950). 1951, nr. 6—7, p. 8—9.

- Stevens, J.**, Smoke on the northwest corner. South. Lumberman 183. 1951, nr. 2297, p. 151—156.
- Stevenson, S.**, »Hot shot« crews. Fire Control Notes 12. 1951, nr. 2, p. 29—31.
- Stewart, D. W. R.**, Some aspects of fire control in western Australia. Empire Forestry Rev. 30. 1951, 172—178.
- Stilling, F. I.**, Bulldozers for fire suppression in the mountainous terrain of the Northern Rocky Mountain region. Fire Control Notes 12. 1951, nr. 2, p. 10—18.
- Tasseau, Un** crédit de 250 millions pour la défense des forêts contre le feu. Bois et Scieries 50. 1951, 199—200.
- Thom, J. R.**, Fire and the forest. Scot. Forestry 5. 1951, 45—54.
- Tucker, G. J.**, and **Smith, J. B.**, Helicopter use for fire control on the Wallowa Forest. Fire Control Notes 12. 1951, nr. 2, p. 1—4.
- Uranga, L. A.**, Servicio de prevención y combate de incendios forestales. Bol. Forest. 2. 1951, nr. 31, p. 3—4.
- Valenzuela, R. H.**, Protección forestal contra los incendios. [prevention] Rev. Forest Chilena 1. 1951, 107—110.
- Van Busschbach, E. J.**, Onderzoekingen inzake het bosbrandgevaar in Amerika. (Untersuchungen über die Waldbrandgefahr in Amerika.) Tijdschr. nederl. Heidemij. 62. 1951, 68—73.
- Villeneuve, G. O.**, L'inflammabilité des forêts dans la province de Québec. Forêt et Conserv. 3. 1951, 34—36, 39—42.
- Waldo, R. J.**, Give fire prevention consideration. Southern Lumberman 183. 1951, 57—59.
- Walters, W.**, Forest fire insurance in North America with special reference to B. C. Brit. Columbia Lumberman 35. 1951, nr. 12, p. 47—48, 108, 110, 112, 114, 116.
- Weatherby, H.**, Fire control at Northwest Bay. Brit. Columbia Lumberman 35. 1951, 38, 92, 94.
- Weatherby, H.**, Your musket is a shovel and forest fires don't knock off for supper. Brit. Columbia Lumberman 35. 1951, nr. 7, p. 49—50, 124.
- Weaver, H.**, Fire as an ecological factor in the southwestern ponderosa pine forests. J. Forestry 49. 1951, 93—98, 6 fig.
- Weeman, R. L.**, An efficient portable radio airplane antenna. Fire Control Notes 12. 1951, nr. 2, p. 22—23.
- White, G. O.**, The burning question; a review of last spring's forest fires in Missouri. Missouri Conserv. 12. 1951, nr. 6, p. 4—5.
- Wilkinson, G. M.**, A template for preparing and checking fire reports. Fire Control Notes 12. 1951, nr. 3, p. 29—31.
- Wilson, C. C.**, Fire line feeding by helicopter. Fire Control Notes 12. 1951, nr. 2, p. 5—7.
- Winkler, O.**, Waldbrandstatistik der Schweiz. Ergebnisse einer Umfrage. Schweiz. Ztschr. Forstwesen 102. 1951, 579—586.
- Wood, G. V.**, and **Schoos, A. H.**, Plastic balls on radio antenna rods for safety. Fire Control Notes 12. 1951, nr. 2, p. 20—21.
- Yarham, E. R.**, Britain's burning. [control of forest fires] Brit. Columbia Lumberman 35. 1951, 69—70.
- Arcadia Equipment Development Center:** Ejector suction booster. Fire Control Notes 12. 1951, nr. 3, p. 14—17.
- Butane-Diesel** flame thrower. Fire Control Notes 12. 1951, nr. 4, p. 30—33.
- Expenditures** for protection of State and private lands against forest fires during calendar year 1950. U.S. Forest Serv., Washington, 1951?, 1 p.
- Fliegende Feuerwehr** zur Bekämpfung von Waldbränden. Int. Holzmarkt, Wien, 42. 1951, 13.
- Forest fire losses** in Canada 1950. Canada Dept. Res. Developm. Forestry Branch, Ottawa, 1951, 7 p.
- Forest fires** in Missouri, 1951. Missouri Conserv. Comm. Fire Control Sect. 1951, 30 p.
- Forest fires** your loss. South. Pulpwood Conserv. Assoc., Atlanta 1951? 12 p.
- The helicopter as a fire fighting unit.** Woodl. Rev., Gardenvale (Que.), Sept. 1951, p. 7, 9, 12, 1 fig.
- 1950 forest fire statistics.** U.S. Forest Serv. 1951?, 15 p.
- Ottawa River Forest Protective Association:** Thirty-seventh and thirty-eighth annual report, 1950, 1951. [chiefly fire protection] Ottawa 1951. 31 p., 27 p.
- Pasture firelanes.** J. Forestry 49. 1951, 249.
- South. St. Lawrence:** Thirty-fifth annual report, 1951. [fire control] South. St. Lawrence Forest Prot. Assoc., Val-Brillant, 1951, 43 p.
- Washington:** Forty-third annual report, 1950. Washington Forest Fire Assoc., Seattle, 1951, 20 p.

c. Pflanzliche Feinde

Vegetal parasites — Parasites végétaux

Bacteria

- Bull, R. A.**, A new gall disease of Sequoia sempervirens. [crown-gall bacterium?] Gard. Chron. 130. 1951, 110—111, 3 fig.
- Grechkin, V. P.**, (Bacterial canker of poplars (Populus) and role of insects in spreading it.) [Micrococcus populi] Lesn. Khoz. (russ.) 4. 1951, nr. 6, p. 69—71.

Fungi

Allgemeiner Teil

General part — Partie générale

- Ames, L. M.**, New species of cellulose decomposing fungi. III. *Mycologia*, Lancaster, 43. 1951, 29—33, 15 fig.
- Apenitis, A., Erdtman, H., and Leopold, B.**, Studies of lignin. Part V. The decay of spruce wood by brown-rotting fungi. *Svensk kem. Tidskr.* 63. 1951, 195—207, 8 fig.
- Arkhipov, V. D.**, (On the treatment of acorns (with granosan).) *Lesn. Khoz.* 4. 1951, 80.
- Bavendamm, W.**, Mikroskopisches Erkennen und Bestimmen von holzbewohnenden und holzersetzen-den Pilzen. In: H. Freund, Handbuch der Mikro-skopie in der Technik (Umschau Verlag, Frank-furt/M.), 5. 1951, T. 2, S. 817—844.
- Bejlin, I. G.**, K woprosu ob efektiwnosti lesnych nasashdenij w saschtschite posewow ot gribnych sabolewanij. (Zur Frage über die Wirksamkeit der Waldbestände beim Schutz der Saaten gegen Pilz-erkrankungen.) *Nautschn. wopr. polesaschtschn. lesoraszew. nr. 1.* 1951, 252—264.
- Bentz, T.**, What is being done to stop fungus menacing aspen? *Wood Prod.* 56. 1951, nr. 2, p. 16—17.
- Brauns, A.**, Holzbienen als Anzeiger von holzzerstören-den Pilzen. [*Xylocopa violacea*] *Norddtsh. Holz-w.* 5. 1951, Nr. 50, S. 6.
- Buchholz, E.**, Pilzschäden an Laubhölzern. *Holz-Zentralbl.* 77. 1951, 1244.
- Campbell, W. A.**, Fungi associated with the roots of littleleaf-diseased and healthy shortleaf pine. *Phyto-pathology* 41. 1951, 439—446, 2 fig.
- Carrera, C. J. M.**, La enfermedad de las almácigas de coníferas en la República Argentina. (The disease of nursery conifers in the Argentine Republic.) *Fac. Agron. Vet., Buenos Aires, Bol. nr. 30.* 1951, 51 p., 15 fig.
- Ciferri, R.**, (Cryptogamous diseases of poplars.) *Congr. Naz. Pioppicolt. Atti* 1951, 31—55.
- Ciferri, R.**, Malattie crittogamiche del pioppo in Italia. (Cryptogamic diseases of poplar in Italy.) *Atti Ist. bot. Univ. Pavia (ser. 5)* 8. 1951, 205—229, 8 fig., 2 tab. geogr.
- De Baun, R. M., and Nord, F. F.**, The resistance of cork to decay by wood-destroying molds. *Arch. Biochem., N. York*, 33. 1951, 314—319, 1 fig.
- Durst, J.**, Krankheiten des Holzes — durch Pilz-infektion verursacht. *Holzindustrie, Leipzig*, 4. 1951, 325—328, 353—355.
- Findlay, W. P. K.**, The resistance of wood-rotting fungi to desiccation. *Forestry* 23. 1951, nr. 2, p. 1—4.
- Foster, R. E., and Foster, A. T.**, Studies in forest pathology. VIII. Decay of western hemlock on the Queen Charlotte Islands, British Columbia. [fungi] *Canad. J. Bot.* 29. 1951, 479—521, 6 fig., 6 tab., 1 tab. geogr.
- Good, H. M., and Thacker, D. G.**, The carbon dioxide content of the air in living maple trunks in relation to heart rot. *Proc. canad. phytopath. Soc.* 18. 1951, 15—16.
- Gulajew, W. W.**, Protrawliwanie semjan sosny. (Beizung der Kiefern Samen.) *Lesn. chosjaistwo* 4. 1951, 53—54.
- Hamilton, J. R., and Jackson, L. W. R.**, Treatment of shortleaf pine and loblolly pine seed with fungicidal dusts. *Plant Dis. Repr.* 35. 1951, 274—276.
- Heim, R.**, Un mycologue dans la betraie australe. [maladies de *Nothofagus*] *Rev. int. Bot. appl., Agric. trop.* 31. 1951, 54—69.
- Henderson, F. Y.**, Report of the Director of Forest Products Research for the year 1949. *For. Prod. Res. Board, London, Rept.* 1949. 1951, 4—45, 1 fig., 8 tab.
- Hennig, R.**, Stock- und Stammfäulen an der Douglasie. *Ztschr. Pfl.krankh.* 58. 1951, 6—9, 4 Abb.
- Hepting, G. H.**, The littleleaf disease of pine. *Plants and Gard.* 7. 1951, 153—154.
- Hussain, S. M.**, Control of heart-rot fungi. *J. Forestry* 49. 1951, 363.
- Jagielski, A.**, Wskazówki z dziedziny ochrony lasu przed grzybami pasożytniczymi. (Hinweise zur Bekämpfung von schädlichen Pilzen im Wald.) *Las Polski* 25. 1951, 25—27.
- Kljuschnik, P. I.**, Gribnye sabolewanija drewesno-kustarnikowych porod i sposoby borby s nimi. (Pilz-erkrankungen der Baum- und Straucharten und Methoden zu ihrer Bekämpfung.) *Les i step* 3. 1951, nr. 5, p. 82—86.
- Koch, J. E.**, Was ist Holzfäulnis? *Chem.-Ztg.* 75. 1951, 665—668.
- Kraemer, G.-D.**, Forstpathologische Untersuchungen des Jahres 1950. Teil I: Bemerkungen zum Auftreten sekundärer Schädlinge und Schadaufreten von Rhinzina inflata Schöff., Wurzelschwamm. *Allg. Forstztzshr.* 6. 1951, 139—141.
- Leutritz jr., J.**, The destruction of wood by fungi and its prevention — wood preservation. *New York Acad. Sci. Trans.* 13 (ser. 2). 1951, 177—181.
- Maki, T. E., and Henry, B. W.**, Root-rot control and soil improvement at the Ashe Forest nursery. [on pinus] *U.S. Forest Serv. south. Forest Exp. Stat. Occas. Paper* 119. 1951, 23 p.
- Meyer, H.**, Holzzerstörende Pilze an der Douglasie. *Holz-Zentralbl.* 77. 1951, Nr. 19, S. 215.

- Miller, P. R.**, Treatment of shortleaf pine and loblolly pine seed with fungicidal dusts. [Pinus echinata] Agric. Chem. 6. 1951, nr. 8, p. 47—49.
- Niethammer, A., und Wollny, B. A.**, Untersuchungen an aeroben cellulosezeretzenden Mikroorganismen. Holz als Roh- u. Werkstoff 9. 1951, 213—216, 5 Abb.
- Oppermann, A.**, Das antibiotische Verhalten einiger holzzeretzender Basidiomyceten zueinander und zu Bakterien. Arch. Mikrobiol. 16. 1951, 364—409.
- Polozhen'isev, P. A.**, (Method of artificial injuries for determining the vitality of pine.) Lesn. Khoz. (russ.) 4. 1951, nr. 7, p. 26—29.
- Ring, R.**, Vergeudete Produktionskräfte. [Pilzkrankheiten] Forst und Holz 6. 1951, 173—175.
- Robak, H.**, Noen iakttakelser til belysning av forholdet mellom klimatiske skader og soppangrep på nåletraer. (Some observations contributing to the study of the connections between climatical damages and fungus attacks on conifers.) Vestl. Forstl. Fors.stat. Meddel. 27. 1951, nr. 8,2, 43 p., 6 fig., 1 tab. geogr.
- Rol, R.**, Les peupliers et les principales essences forestières de l'est des états-unis. Rapport de mission mai-juin 1950. [champignon parasitaire] Ann. École Eaux, Forêts, Nancy, 12. 1951, 527—637, 18 tab., 3 tab. geogr.
- Shimazono, H.**, (The biochemistry of wood-rotting fungi: the accumulation of oxalic acid.) J. jap. Forest. Soc. 33. 1951, 393—397.
- Sirén, G., ja Bergman, F.**, Svamparna och våra skogsträd. (Fungi and our forest trees.) Skogsbruket, Helsingfors, 21. 1951, nr. 2, p. 39—43.
- Siu, R. G. H., and Sinden, J. W.**, Effects of pH, temperature, and mineral nutrition on cellulolytic fungi. Amer. J. Bot. 38. 1951, 284—290, 10 fig.
- Suolahti, O.**, Über eine das Wachstum von Fäulnis-pilzen beschleunigende chemische Fernwirkung von Holz. Staatl. techn. Forsch.aust., Helsinki, nr. 21. 1951, 95 S., 24 Abb.
- Varner, R. W.**, The significance of wood-rotting fungi in the production and utilization of Jack pine in lower Michigan. Michigan Univ. Microfilm Abs. 11. 1951, 636—637.
- Verma, G. S.**, Wilt disease of Acacia melanoxylon R.Br. J. indian bot. Soc. 30. 1951, nr. 1—4, p. 14—27, 6 fig., 1 tab.
- Wanin, S. P., Wolkow, R. S., und Sokolow, D. W.**, Kisutscheniju gribnych bolesnej sheludej. (Zum Studium der Pilzkrankheiten der Eiche.) Nautsch. wopr. polesaschtschn. lesoraswed. nr. 1. 1951, 276—284.
- Wegener, W., und Questel, R.**, Untersuchungen über die Ursache der Zerstörung von nativen Faserstoffen durch Mikroorganismen. 3. u. 4. Mitt. Melliand Textilber. 32. 1951, 670—674.
- White, L. T.**, Forest pathology in Ontario. 2. Forest depletion from trunk rots. Thunder Bay Timber Oper. Assoc. Log Book 3. 1951, nr. 4, p. 6, 23.
- Gold Coast:** Report of the Forestry Department for the year 1950—1951. [fungi] 1951, 24 p., 1 tab. geogr.
- Physiology of the wood-rotting fungi;** semi-annual progress report, 5, January—June 1951. Syracuse Univ. Dept. Plant Sci., Div. Bact., 1951, 23 p.
- Report of the fifth session of the International Poplar Commission and proceedings of the fourth International Poplar Congress.** [fungi] FAO (Food, Agric. Org.), Rome, 1951, 68 p.
- Wieder Stubben-Impfungen.** Wissenschaftliche Versuche an Holzpilzen im Thüringer Wald. Holz-Zentralbl. 77. 1951, Nr. 10.

Phycomycetes

Bakarcic, M., La cancrrosis del plátano. (Platanus canker.) [Phytophthora cinnamomi on Platanus orientalis] IDIA (Inform. Invest. agric. Argent.) 4. 1951, nr. 42—43, p. 3—4, 1 fig.

Campbell, W. A., The occurrence of Phytophthora cinnamomi in the soil under pine stands in the Southeast. Phytopathology 41. 1951, 5, 742—746, 1 fig.

Campbell, W. A., Vertical distribution of Phytophthora cinnamomi in the soil under littleleaf-diseased shortleaf pine. [Pinus echinata Mill.] Plant Dis. Repr. 35. 1951, 26—27, 1 fig.

Moreau, M., et Moreau, C., Une grave affection nouvelle de la forêt française: la maladie de l'encre du chêne. [Phytophthora cinnamomi] Compt. rend. Acad. Sci., Paris, 232. 1951, 2252—2253.

Redmond, D. R., and Cutter jr., V. M., An example of synergistic growth inhibition between root-inhabiting fungi. [Mortierella alpina and Betula lutea] Mycologia, Lancaster, 43. 1951, 723—726, 1 fig.

Rol, R., Le chancre du chêne rouge d'Amérique. [Phytophthora cinnamomi] Rev. Forest. franç. 37. 1951, 704—707, 2 tab.

Toole, E. R., Bleeding canker of maple in North Carolina and Tennessee. [Phytophthora cactorum] Plant Dis. Repr. 35. 1951, 119.

Torgeson, D. C., The Phytophthora root rots of Chamaecyparis. Oregon Acad. Sci. Proc. 2. 1948—1951, 81 (Abstr.).

Torgeson, D. C., The Phytophthora root rots of Chamaecyparis lawsoniana Parl. Phytopathology 41. 1951, 944.

Ascomycetes

Ames, L. M., A new cellulose decomposing fungus. [Schizothecium] Sydowia 5. 1951, 1—2, 120—123.

Biraghi, A., Endothia parasitica e gen. Quercus. (Endothia parasitica and the genus Quercus.) Ital. forest., mont. 6. 1951, 15—16.

- Boyce jr., J. S.**, *Lophodermium pinastri* and needle browning of southern pines. *J. Forestry* 49. 1951, 20—24.
- Ciferri, R.**, Nomenclatura del fungo che causa la »defogliazione primaverile« dei pioppi. (Nomenclature of the fungus causing the »spring leaf fall« of the poplar tree.) [Endostigma populina] *Not. Mal. Piante* nr. 14. 1951, 88.
- Cole, J. R.**, Control of tar spot of holly (Ilex) by spraying in South Georgia. [Phacidium curtisii] *Plant Dis. Repr.* 35. 1951, 408—410, 3 fig.
- Dobbs, C. G.**, Fruiting of the oak mildew (*Microsphaera alphitoides*). *Nature*, London, 167. 1951, 357.
- Farrow, W. M.**, A study of *Chaetomium* in cellulose decay. [Ch. globosum] *Proc. Iowa Acad. Sci.* 58. 1951, 101—106.
- [**Goidanich, G.**, Gli scopazzi dell'olmo. [Hexenbesen] *Inform. Fitopat.*, Bologna, nr. 14. 1951, 8, 1 fig.
- Henry, B. W.**, Oak leaf blister severe in South Mississippi. [Taphrina coerulescens] *Plant Dis. Repr.* 35. 1951, 384.
- Hepting, G. H.**, Leaf blister of oak controlled by spraying. [Taphrina coerulescens] *Arborist's News* 16. 1951, 53—55.
- Jossebrand, M.**, Le Phaeocryptus gaeumannii (*Adelopus balsamicola*) constitue-t-il une menace sérieuse pour le sapin de Douglas? *Soc. Forest. Franche-Comté, Prov. Est. B. Trimes* 25. 1951, 744—745.
- Konev, G. I.**, (*Lophodermium pinastri* Chev. on cedar needles in the Baikal region.) *J. Bot. USSR* 35. 1951, 664—666, 1 fig.
- Krstić, M.**, (Une nouvelle maladie des forêts en Yougoslavie.) [Rhabdocline pseudotsugae] *Saschita Bilja (Plant Prot.)*, Beograd, nr. 5. 1951, 73—74.
- Kuhnholz-Lordat, G.**, Une attaque hypophylle du blac du chêne. [*Microsphaera alphitoides*] *Feuill. Nat.* 6 (n. ser.). 1951, nr. 7—8, p. 96.
- Malençon, G., et Marion, J.**, Un parasite des suberaies (*Quercus suber*) nord-africaines, l'*Hypoxyton mediterraneum* (D. Ntrs) Ces. et D. Ntrs. *Rev. Forest. franç.* 37. 1951, 681—686.
- Marquardt, H.**, Genetische Grundlagen der *Adelopus*-Resistenz von *Pseudotsuga Douglasii* und mögliche Verfahren zur Gewinnung resistenteren Pflanzenmaterials. *Allg. Forst- u. Jagd-Ztg.* 122. 1951, 201—205.
- Meierhans, J.**, *Herpotrichia*-Versuche 1950/51. *Schweiz. Ztschr. Forstw.* 102. 1951, 526—529, 1 Abb.
- Merkle, R.**, Über die Douglasien-Vorkommen und die Ausbreitung der *Adelopus*-Nadelschütte in Württemberg-Hohenzollern. [Phaeocryptopus gaeumannii] *Forst- u. Jagdztg.* 122. 1951, 161—191, 30 Abb., 2 Landk.
- Meyer, H.**, Die Verbreitung der Douglasienschütten. Zum Stand der Krankheitsforschung. [Phaeocryptopus, Rhabdocline] *Forstarchiv* 22. 1951, 5—11, 8 Abb.
- Nakazawa, B., and Yamasaki, I.**, (Studies on *Neurospora*, grown on trunks of trees which were burned by air raid fire, 1945, in Kyushu.) *Kyushu Univ. Fac. Agric. Sci. Bull.* 13. 1951, 143—148.
- Olivier, D.**, Progress in the study of the silver-tree disease. [*Botryosphaeria ribis* on *Leucodendron argentinum*] *J. bot. Soc. South Afr.* 37. 1951, 18—19.
- Ortos, H.**, Zwalczenie mączniaka *Microsphaera Alphitoides* Grief et Maubl. w szkółkach debowych. (Bekämpfung des Mehltaus in Eichenkampen.) *Krakow Inst. Bad. Leśn., Prace*, nr. 67. 1951, 56 p.
- Roth, E. R.**, The viability of spores and mycelium of *Endoconidiophora virescens* on sugar maple lumber. *Plant Dis. Repr.* 35. 1951, 379—381, 1 fig.
- Sarasola, A. A., y Magi, A. O.**, Algunos factores ambientales en correlacion con la cancrrosis de los alamos (*Mycosphaerella populorum* Thomp.). *Phyton* 1. 1951, 42—45, 3 fig.
- Schuld, P. H.**, Sprays for control of sycamore anthracnose (*Gnomonia veneta*). *Iowa Acad. Sci. Proc.* 58. 1951, 201—207.
- Söderberg, E.**, *Juncus beringensis* Buch. och *J. arcticus* Willd., två nya värdväxter för *Coleophora caespitiella* Zeller. *Svensk bot. Tidskr.* 45. 1951, 683—684.
- Wolf, F. A.**, A new needle-cast fungus (*Hypoderma mexicanum*) on Chihuahua pine (*Pinus leiophylla*). *Lloydia, Cincinnati (Ohio)*, 14. 1951, 111—114.
- Zobrist, L.**, Nadelschütte der Föhren. [*Lophodermium pinastri*] *Prakt. Forstw. Schweiz* 89. 1951, 158—163, 4 Abb.
- Zobrist, L.**, Schutz der diesjährigen Fichtensaaten gegen den schwarzen Schneeschimmel. [*Herpotrichia nigra* an *Picea*] *Schweiz. Ztschr. Forstw.* 102. 1951, 529—530, 1 Abb. — *Prakt. Forstw. Schweiz* 89. 1951, 191—194.

Basidiomycetes

- Aoshima, K.**, Studies on birch-wood-rotting fungus, *Fuscoporia obliqua* (Pers.) Aoshima, comb. nov. *Tokyo Univ. Forest. Bull.* nr. 39. 1951, 185—207, 2 fig., 2 tab.
- Bagchee, K., and Bakshi, B. K.**, *Poria monticola* Murr. on chir (*Pinus longifolia* Roxb.) in India. *Nature*, London, 167. 1951, 824, 1 fig.
- Bavendamm, W.**, Pflanzliche Holzschädlinge: *Coniophora cerebella* (Pers.) Duby. Holz als Roh- u. Werkstoff 9. 1951, 447—448.
- Bjørhovde, B.**, (The fight against blister rust in USA.) [on *Pinus strobus*, *P. monticola*] *Skogbrukeren* 26. 1951, 272, 274—276.

- Bjorkman, E.**, Soil antibiotics acting against the root rot fungus *Polyporus annosus* Fr. *Physiol. Plant.*, Copenhagen, 2. 1949, nr. 1, p. 1—10.
- Cartwright, K. St. G.**, *Polyporus quercinus* on *Fagus sylvatica*. *Trans. brit. mycol. Soc.* 34. 1951, 604—606, 2 tab.
- Cutter, V. M.**, The isolation of plant rusts upon artificial media and some speculations on the metabolism of obligate plant parasites. [*Gymnosporangium juniperi-virginianae*] *Trans. New York Acad. Sci.* (ser. II) 14. 1951, 103—108.
- Davidson, A. G.**, Decay of balsam fir in New Brunswick. [*Stereum sanguinolentum*, *Corticium galactinum*] *Bi-m. Progr. Rept. Div. For.*, Biol. Dept. Agric. Canada 7. 1951, nr. 5, p. 1.
- Deberti, M. J.**, Controlling blister rust (*Cronartium ribicola*) in Pennsylvania. *Pennsylv. Forest. Wat.* 3. 1951, 41, 46.
- De Stevens, G., De Baun, R. M., and Nord, F. F.**, On the mechanism of enzyme action. XLV. The role of certain dicarboxylic acids in the formation of oxalic acid by wood-destroying molds. [*Trametes cinnabarina*, *Lentinus lepideus*] *Arch. Biochem.*, N. York, 33. 1951, 304—313.
- Dwyer, W. W.**, *Fomes annosus* on eastern red cedar in two Piedmont forests. *J. Forestry* 49. 1951, 259—262, 2 fig.
- Enebo, L.**, Experiment with Claviformin as an antibiotic against *Polyporus annosus* Fr. *Physiol. Plant.*, Copenhagen, 2. 1949, 56—60.
- Good, H. M., and Nelson, C. D.**, A histological study of sugar maple decayed by *Polyporus glomeratus* Peck. *Canad. J. Bot.* 29. 1951, 215—223, 2 tab.
- Guinier, P.**, À propos de plantations de peupliers. [*Polyporus*] *Forêts France* 32. 1951, 2.
- Hansbrough, J. R.**, White pine blister rust. *Plants and Gard.* 7. 1951, 149—152.
- Hawker, L. E.**, Hypogaeous fungi. I. A hypogaeous gasteromycete, *Sclerogaster macrosporus* n. sp. [on beech wood] *Trans. brit. mycol. Soc.* 34. 1951, 216—219, 1 fig.
- Hepting, G. H.**, A new stem rust on Virginia pine. [*Peridermium* on *Pinus virginiana*] *Plant Dis. Repr.* 35. 1951, 335.
- Hotson, H. H., and Cutter, V. M.**, The isolation and culture of *Gymnosporangium juniperi-virginianae* Schw. upon artificial media. *Proc. nat. Acad. Sci.*, Washington, 37. 1951, 400—403.
- Hussain, S. M.**, *Fomes roseus* (A. and S.) Cke. in Pakistan. *Pakistan J. Forestry* 1. 1951, 234—237, 1 fig.
- Hussain, S. M.**, A serious heart rot fungus. [*Fomes pinicola* on *Abies pindrow*] *Pakistan J. Forestry* 1. 1951, 384—388, 1 tab.
- Hussain, S. M.**, Some observations on *Fomes conchatus* (Pers. ex Fr.) Gill. *Pakistan J. Forestry* 1. 1951, 148—150, 1 tab.
- Jacquot, C.**, La merule ou champignon des maisons *Gyrophana lacrymans* (Wulf. Pat.). *Inst. nat. Bois, Paris, Étude Techn.* nr. 6. 1951, 7 p.
- Jagielski, A.**, Grzyb domowy w probowce. (Der Hausschwamm im Probierglas.) *Las Polski* 25. 1951, 17—18.
- Jagielski, A.**, Z zagadnień opieńki miodowej. (Über den Hallimasch.) *Las Polski* 25. 1951, 13—14.
- Jørgensen, E., og Petersen, B. B.**, Angreb af *Fomes annosus* (Fr.) Cke. og *Hylesinus piniperda* L. på *Pinus sylvestris* i Djursland plantager. (Attack of *Fomes annosus* (Fr.) Cke. and *Hylesinus piniperda* L. on *Pinus sylvestris* in the Djursland plantations.) *Dansk Skovfor. Tidsskr.* 1951, nr. 9, p. 453—479, 5 fig., 1 tab. geogr.
- Kamei, S.**, (Brown cubical butt rots of *Abies sachalinensis* Schm. and *Picea glehnii* Mast. caused by *Polyporus balsameus* Pk.) *Hokkaido Univ. Coll. Agric., Coll. Exp. Forests Res. Bull.* 15. 1951, 151—166.
- Kellner, F.**, Fichten-Rotfäule. Probleme der Praxis und Aufgaben für die Forschung. *Allg. Forst- u. Jägd-Ztg.* 6. 1951, 141—142.
- König, E.**, Der Wurzelschwamm (*Polyporus annosus*) hauptsächlichster Erreger der Fichten-Rotfäule. *Nord-dtsch. Holzw.* 5. 1951, Nr. 11, S. 6—7.
- Kühlwein, H.**, Über holzerstörende Pilze, insbesondere den echten Hausschwamm. *Schädlingsbekämpfung* 43. 1951, 36—39, 5 Abb.
- Laibach, F.**, Der Pappelschüppling (*Pholiota destruens*) auf einer kanadischen Pappel. *Natur u. Volk* 81. 1951, 318—320.
- Lehmann, E.**, Zur Frage der Resistenzzüchtung der Weymouthskiefer gegen Blasenrost. *Allg. Forst- u. Jägd-Ztg.* 122. 1951, 206—212.
- Lepori, L.**, Deperimento del leccio causato dallo *Stereum gausapatum* Fr. *Not. Mal. Pianta* nr. 17. 1951, 60—63.
- Liubarskii, L. V.**, (Red rot of the wood in far-eastern spruce species.) [*Trametes*, *Fomes*, *Polyporus*] *Dal'nevostochn. Nauch.-Issled. Inst. Lesn. Khoz. (USSR.) Sborn. Rabot* 3. 1951, 79—89.
- Løfting, E. C. L.**, (Some reflections on *Fomes annosus* and *Hylesinus piniperda*.) [on *Pinus*] *Dansk Skovfor. Tidsskr.* 36. 1951, 645—652.
- Lohweg, K.**, Pignolifäule. [*Stereum frustulosum*, *Polyporus sulfureus* an Eichen] *Mitt. österr. Ges. Holzforsch.* 3. 1951, 128—129. — *Int. Holzmarkt* 42. 1951, Nr. 24, S. 8—9.
- May, J. T., and Goggans, J. F.**, Southern fusiform rust of slash and loblolly pine in the Alabama Piedmont. [*Cronartium fusiforme*] *Alabama agric. Exp. Stat. Leaf.* 30. 1951, 6 p.

- Morgan, E. N.**, Metabolic products of the wood-rotting fungus *Polyporus benzoinus* (Wahl.) Fr. *Biochem. J.* 48. 1951, XLIII—XLIV (Proc.).
- Moriendo, F.**, La ruggine curvatrice dei germogli sul pino domestico. (Kiefern-Drehrast.) [*Melampsora pinitorqua*] Italia forest., mont. 6. 1951, 314—317, 3 fig.
- Mülder, D.**, Neue Grundlagen der Kienzopfabwehr. Vortr. Hochschulwoche Hann.-Münden 1951 (Frankfurt a. M.), S. 32—35 (Göttingen Univ. forstl. Fak. Schriftenreihe 2).
- Mülder, D.**, Neue Grundlagen für eine rationelle Abwehr des Kienzopf (Peridermium pini). *Forstwiss. Centralbl.* 70. 1951, 369—395.
- Oppermann, A.**, Das antibiotische Verhalten einiger holzzeretzender Basidiomyceten zueinander und zu Bakterien. *Arch. Mikrobiol.* 16. 1951, 364—409, 23 Abb.
- Orłó, H.**, W sprawie kleski opieńkowej w górskich drzewostanach swierkowych. (Über die Hallimasch-Katastrophe in den Fichtenbeständen im Gebirge.) *Las Polski* 1951, 10—12.
- Ring, F.**, Fichtenrotfäule. Probleme der Praxis und Aufgaben für die Forschung. [*Fomes annosus*] *Angew. Chem.* 63. 1951, 98. — *Allg. Forstztzshr.* 6. 1951, 25—27.
- Ring, K.**, Stale wzrastajaca kleska opienki miodowej w świerczynach górskich. (Ständig wachsende Hallimasch-Katastrophe in Gebirgsfichtenwäldern.) *Las Polski* 1951, 12—14.
- Rishbeth, J.**, Butt rot by *Fomes annosus* Fr. in East Anglian conifer plantations and its relation to tree killing. *Forestry* 24. 1951, 114—120, 3 fig.
- Rishbeth, J.**, Observations on the biology of *Fomes annosus*, with particular reference to East Anglian pine plantations. I. The outbreaks of disease and ecological status of the fungus. II. Spore production, stump infection, and saprophytic activity in stumps. III. Natural and experimental infection of pines, and some factors affecting severity of the disease. *Ann. Bot., London*, 14 (n. ser.) 1951, 365—383; 15 (n. ser.) 1951, 1—21, 1 fig., 3 tab., 221—246.
- Ritter, B.**, White pine blister rust control. Tenth biennial Rept., Dept. Conserv., Div. Forestry, State Minnesota, Jan. 1951.
- Routin, J. B.**, Studies of monosporous cultures of *Polyporus cinnabarinus* Fr. [*Betula*] *Bull. Torrey bot. Club* 78. 1951, 145—152.
- Schönhar, S.**, Eichen- und Roteichenkrebs in Württemberg. [*Stereum rugosum*] *Allg. Forstztzshr.* 6. 1951, 367—369, 2 Abb.
- Siggers, P. V.**, Fusiform rust: slash pine plantation threat. *Mississippi Farm Res.* 9. 1951, nr. 1, p. 1, 7.
- Siggers, P. V.**, Spray control of the fusiform rust in forest-tree nurseries. [*Cronartium fusiforme*] *J. Forestry* 49. 1951, 350—352.
- Slipp, A. W.**, Growth rate of cankers of white pine blister rust along branch leaders toward the trunk in western white pine (*Pinus monticola*). Idaho Univ. Forest., Wildlife, Range Exp. Stat. Res. Notes 1. 1951, 3 p.
- Stecki, K.**, (*Polyporus lucidus*, un parasite sur l'if.) *Polskie Towar. Bot. Sekcja Dendrol. Roczn.* 7. 1951, 200.
- Stewart, D. M.**, Heart rot of black ash in Minnesota. [*Polyporus hispidus* (Bull.) Fries on *Fraxinus nigra* Marsh] *Phytopathology* 41. 1951, 569—570, 1 fig.
- Stillinger, J. R.**, Some strength and related properties of old-growth douglas fir decayed by *Fomes pini*. *Amer. Soc. Test. Mater. (ASTM.) Bull.* 173. 1951, 52—58.
- Stoeckli, A.**, Die Abhängigkeit des Lignin- und Zelloseabbaues vom Substrat bei *Marasmius putillus* (Fr. ex Fr.) Fr. und *Marasmius foetidus* (Sow. ex Fr.) Fr. *Schweiz. Ztschr. Path., Bakt.* 14. 1951, 567—572.
- Struckmeyer, B. E., and Riker, A. J.**, Wound-periderm formation in white-pine trees resistant to blister rust. *Phytopathology* 41. 1951, 276—281, 9 fig.
- Vanterpool, T. C., and Macrae, R.**, Notes on the Canadian tuckahoe, its occurrence in Canada and the interfertility of its perfect stage, *Polyporus tuberaster* Jacq. ex Fries. [*Populus tremuloides*] *Canad. J. Bot.* 29. 1951, 147—157, 4 fig., 2 tab.
- Westberg, D. L.**, Cultivating boosts fusiform rust infection. [*Cronartium fusiforme* on *Pinus caribaea*, *Pinus taeda*] *J. Forestry* 49. 1951, 253.
- Westberg, D. L.**, Cultivating slash pine increases rust infection. [*Cronartium fusiforme* on *Pinus caribaea*] *Forest Farmer* 10. 1951, nr. 6, p. 11, 14.
- Barberry eradication.** [blister rust of pine] U. S. Bur. Ent., Plant Quar., Washington, 1951, 1 p.
- Die Rotfäule des Nadelholzes.** [*Fomes annosus*, *Trametes radiciperda*] *Württ. Wochenbl. Landw.* 118. 1951, 259, 3 Abb. — *Bad. landw. Wochenbl.* 118. 1951, 579, 3 Abb.

Fungi imperfecti

- Beckman, C. H., and Kuntz, J. E.**, Translocation of poisons, dyes, and radioiodine, and its relation to oak wilt. *Phytopathology* 41. 1951, 2.
- Birchfield, W., and Weber, G. F.**, Control of *Rhizoctonia damping-off* of *Pinus caribaea* seedlings. *Phytopathology* 41. 1951, 4.
- Bosch, E.**, Die Blattfalkkrankheit (*Gloeosporium nervisequum*) oder Zweigdürre der Platanen (*Platanus acerifolia*). *Schweiz. Gärtztz.* 54. 1951, Nr. 4, S. 2.
- Bretz, T. W.**, Oak wilt. [*Chalara quercina*] *J. Forestry* 49. 1951, 169—171.

- Bretz, T. W.**, Our present knowledge concerning oak wilt (*Chalara quercina*). *Trees* 11. 1951, nr. 4, p. 6—7, 16.
- Brink, G., en Van den Ende, G.**, Verslag van het onderzoek naar de populierenanker in 1948 en 1949. (Report on the investigation of canker of poplar (*Populus*) in 1948 and 1949.) *Nederl. Heidemaatsch. Meded.* 13. 1951, 15 p.
- Carter, J. C., and Wysong, N. B.**, Isolation of the oak wilt fungus from swamp white oak. [*Chalara quercina* on *Quercus bicolor* Willd.] *Plant Dis. Repr.* 35. 1951, 173—174.
- Casas-Campillo, C.**, La mancha negra de la piña originada por *Thielaviopsis paradoxa*. *Mexico Ofic. Estud. Espec. Fol. Misc.* 4. 1951, 335—342.
- Driver, Ch. H.**, A *Phyllosticta* leaf-spot on Burford holly in Georgia. [*Phyllosticta haynaldi* Sacc. et Roum. on *Ilex cornuta* var. *burfordi* DeFrance] *Plant Dis. Repr.* 35. 1951, 412, 1 fig.
- Fergus, Ch. L.**, Strumella canker on bur oak in Pennsylvania. *Phytopathology* 41. 1951, 101—103, 1 fig.
- Fowler, M. E.**, Oak wilt survey activities. [*Chalara quercina*] *South. Lumberman* 183. 1951, nr. 44.
- Fowler, M. E.**, Surveys for oak wilt. [*Chalara quercina*] *Plant Dis. Repr.* 35. 1951, 112—118, 3 fig.
- Fowler, M. E., and Bretz, T. W.**, Airplane surveys for oak wilt. *Phytopathology* 41. 1951, 561.
- French, D. W.**, Wilt threatens Minnesota oaks. [*Chalara quercina*] *Minnesota Farm Home Sci.* 8. 1951, nr. 2, p. 12.
- Gill, L. S., Leaphart, C. D., and Andrews, S. R.**, Preliminary results of inoculations with a species of *Leptographium* on western white pine. *U.S. Bur. Plant Ind., Soils, agric. Engin., Forest. Path. Spec. Release* 35. 1951, 14 p., 10 fig.
- Govi, G.**, Un cancro dell'acero. [*Septogloeum hartigianum*] *Inform. Fitopat., Bologna*, nr. 9. 1951, 7—8, 1 fig.
- Grasso, V.**, Un nuovo agente patogeno del *Cupressus macrocarpa* Hartw. in Italia. (A new pathogenic agent on *Cupressus macrocarpa* Hartw. in Italy.) [*Coryneum cardinale*] *Italia forest., mont.* 6. 1951, 6 p., 1 tab.
- Grasso, V.**, (Occurrence of a new parasite (*Coryneum cardinale*) of *Cupressus macrocarpa* in Italy.) *Italia forest., mont.* 6. 1951, 62—65.
- Gregory, P. H., and Waller, S.**, *Cryptostroma corticale* and sooty bark disease of sycamore (*Acer pseudoplatanus*). *Trans. brit. mycol. Soc.* 34. 1951, 579—597, 6 fig., 2 tab., 1 tab. col.
- Guliaev, V. V.**, (Treatment of pine seeds.) [for *Fusarium* and *Alternaria*] *Lesn. Khoz.* 4. 1951, nr. 7, p. 53—54.
- Hansbrough, J. R., and Jones, T. W.**, Oak wilt (*Chalara quercina*). *Connecticut Arborist* 5. 1951, 3—6.
- Heim, J.**, Oak wilt poses serious threat. *Purdue Agric.* 43. 1951, 8.
- Hepting, G. H., Toole, E. R., and Boyce jr., J. S.**, Perithecia produced in an unpaired isolate of *Chalara quercina* and its possible significance in oak wilt control. *Plant Dis. Repr.* 35. 1951, 555.
- Hirt, R. R.**, Canker disease (*Cytospora kunzei*) attacks spruces. *Horticulture* 29. 1951, 96.
- Hoffman, P. F.**, Screening chemotherapeutants for control of oak wilt (*Chalara quercina*). *Iowa Acad. Sci. Proc.* 58. 1951, 139—147.
- Hughes, S. J.**, *Brachysporium* in Britain. *Naturalist, Leeds*, 1951, 45—48, 1 fig.
- Ito, K., and Kobayashi, K.**, *Physalospora paulowniae* sp. nov. causing a die-back of the Paulownia tree and its conidial stage, *Macrophoma*. *Forest. Exp. Stat., Tokyo, Bull.* nr. 49. 1951, 79—87, 2 tab.
- Ito, K., and Kontani, S.**, Notes on damping-off and root rot of woody seedlings. I. Relation between the mycelial growth of causal fungi and the concentration of fungicides. II. A comparative study of isolates of *Rhizoctonia solani* with special reference to their parasitism. *Forest. Exp. Stat., Tokyo, Rept.* nr. 60. 1951, 65—91, 9 tab.
- Jenkins, A. E., and Jehle, R. A.**, An anthracnose of bittersweet in Maryland. [*Marssonina thomasiana* on *Celastrus scandens* L.] *Plant Dis. Repr.* 35. 1951, 413—414, 1 fig.
- Johannes, H.**, Ein Pappelsterben in Niedersachsen. [*Septogloeum populiperdum*] *Mitt. Biol. Zentralanst. Berlin-Dahlem* H. 70. 1951, 45—46.
- Johannes, H.**, *Septogloeum populiperdum* sp. n. als Erreger eines Pappelsterbens. *Phytopath. Ztschr.* 17. 1951, 406—410, 5 Abb.
- Kraemer, G.-D.**, Forstpathologische Untersuchungen des Jahres 1950. Teil II: Krebserkrankungen an Douglasien (vorl. Mitteilung). [*Phomopsis*] *Allg. Forstztzshr.* 6. 1951, 189—191, 5 Abb.
- Kuntz, J. E.**, Recent developments in oak wilt research. *Trees* 11. 1951, nr. 5, p. 8—9, 18.
- Kuntz, J. E., and Riker, A. J.**, Control of oak wilt in certain local areas. *Phytopathology* 41. 1951, 23.
- Kuntz, J. E., and Riker, A. J.**, The threat of oak wilt. [*Chalara quercina*] *Plants and Gard.* 7. 1951, 123—128.
- Lancaster, F. R., and Rumph, A. F.**, Oak wilt in western Pennsylvania. [*Chalara quercina*] *Plant Dis. Repr.* 35. 1951, 383.
- Marshall, R. P.**, The truth about oak wilt disease. *Flower Grower* 38. 1951, nr. 7, p. 31, 60.
- Orlova, A. A.**, (New disease of *Caragana arborescens* seeds.) [*Botrytis cinerea*] *Lesn. Khoz. (russ.)* 4. 1951, nr. 5, p. 85—90.

- Potebnia, N. A.**, (Spottness of leaves of *Fraxinus* and *Caragana arborescens*.) [*Septoria* spp., *Phyllosticta*] *Lesn. Khoz.* (russ.) 4. 1951, nr. 7, p. 32—33.
- Rex, E. G.**, Oak wilt. *Phytopathology* 41. 1951, 659.
- Ribaldi, M.**, Ricerche sulle alterazioni cromatiche di legname di *Picea excelsa* Lk. in val Canale (Udine). (Researches on staining in timber of *Picea excelsa* Lk. in the Canale valley (Udine).) [*Cytospora cedri*] *Boll. Soc. ital. Biol. sperim.* 27. 1951, 653—655, 1 tab.
- Riker, A. J.**, The spread of oak wilt in local areas. *Phytopathology* 41. 1951, 30.
- Schneider, R.**, Ein gefährliches Eichensterben in den USA. (Sammelferat.) [*Chalara quercina*] *Nachr. bl. dtsh. Pfl.schutzd.*, Braunschweig, 3. 1951, 92—94, 3 Abb.
- Seedorf, W.**, Eichensterben in den USA. (Ref.) [*Chalara quercina*] *Dtsch. landw. Presse* 74. 1951, 10.
- Shafranskaia, V. N.**, (Anthracnose of acorns and its control.) [*Gloeosporium quercinum*] *Les i Step'* 3. 1951, nr. 10, p. 84—85.
- Shields, I. J.**, Oak wilt in Kansas. [*Chalara quercina*] *Plant Dis. Repr.* 35. 1951, 119.
- Shtraukh, S. A.**, (On the biology of the fungus, *Phomopsis quercella*, which infects acorns.) *Dokl. Akad. Nauk USSR*. 81. 1951, 109—112.
- Simkover, H. G.**, and **Shenefelt, R. D.**, Effect of benzene hexachloride and chlordane on certain soil organisms. [against white grubs and *Rhizoctonia*] *J. econ. Ent.* 44. 1951, 426—427.
- Sprau, F.**, Starkes Auftreten der Platanen-Blattnervenkrankheit im Bodenseegebiet. [*Gloeosporium nervisequum*] *Pflanzenschutz*, München, 3. 1951, 109—111, 5 Abb.
- Strong, F. C.**, Known distribution of oak wilt in Michigan. *Plant Dis. Repr.* 35. 1951, 557.
- Strong, F. C.**, Oak wilt found in Michigan. [*Chalara quercina*] *Plant Dis. Repr.* 35. 1951, 383. — *Michigan agric. Exp. Stat. Quart. Bull.* 34. 1951, 41—47.
- Thompson, G. E.**, Die-back of sycamore. [*Diplodia natalensis* on *Platanus occidentalis*] *Plant Dis. Repr.* 35. 1951, 29—30, 2 fig.
- Tokushige, Y.**, Witches'-broom of *Paulownia tomentosa* L. [*Gloeosporium kawakamii*] *J. Fac. Agric. Kyushu Univ.* 10. 1951, 45—67, 15 fig.
- True, R. P.**, Oak wilt — what does it mean? [*Chalara quercina*] *West Virginia agric. Exp. Stat. Bull.* 349. 1951, nr. 1, p. 3—4, 13.
- True, R. P.**, **Craig, F. W.**, and **Barnett, H. L.**, Oak wilt found in West Virginia. [*Chalara quercina*] *Plant Dis. Repr.* 35. 1951, 382.
- True, R. P.**, e **Snow Jr., A. G.**, Flusso resinoso da pini inoculati con il *Fusarium* del cancro resinoso. Italia forest., montana 6. 1951, 105—112.
- Verma, G. S.**, Wilt disease (*Fusarium coeruleum*) of *Acacia melanoxylon* R. Br. *J. indian bot. Soc.* 30. 1951, 14—27.
- Willins, H. H.**, National Oak Research Committee formed to seek means of eliminating oak wilt. *Nat. Hardwood Mag.* 25. 1951, nr. 3, p. 50.
- Young, H. C.**, Oak wilt in Ohio, a plan for locating and identifying the disease. [*Chalara quercina*] *Ohio agric. Exp. Stat. Spec. Circ.* 87. 1951, 4 p.
- Young, H. C.**, and **Bart, G. J.**, Oak wilt in Ohio. Aerial survey shows general infection in state's timber area. [*Chalara quercina*] *Ohio Family and Home Res.* 36. 1951, nr. 272, p. 67—68, 71, 2 fig., 1 tab. geogr.
- Leaf cast of larch, Meria laricis.** Great brit. Forestry Comm. Leaflet 21 (rev.). 1951, 4 p., 3 fig.

Varia

- Barriety, L.**, **Jacquot, C.**, **Moreau, C.**, et **Moreau, M.**, La maladie de l'encre du chêne rouge (*Quercus borealis* Michx). [*Phytophthora cinnamomi*, *Nectria galligena*] *Rev. Path. vég. Ent. agric. France* 30. 1951, 253—262, 5 fig., 1 tab. geogr.
- Baser, N.**, On the oakwilt and Dutch elm. [*Chalara quercina*, *Ceratostomella ulmi*] *Amer. Forests* 57. 1951, nr. 7, p. 11, 40—41.
- Biraghi, A.**, Il «cancro resinoso» del pino. Italia forest., montana 6. 1951, 105.
- Bonar, L.**, Two new fungi on *Torreya*. [*Caeoma Torreya*, *Clasterosporium obclavatum*] *Mycologia*, Lancaster, 43. 1951, 62—66, 5 fig.
- Buchanan, Th. S.**, **Harvey, G. M.**, and **Welch, D. S.**, Pole blight of western white pine: a numerical evaluation of the symptoms. *Phytopathology* 41. 1951, 199—208, 2 fig.
- Butler, B. J.**, Dry rot. Part III. Architects' J., London, 113. 1951, 252—259.
- Cockerill, J.**, and **Casley, J. D.**, Damping-off of red pine seedlings at Orono, Ont. [*Pinus resinosa*] *Canada Dept. Agric., Div. Forest. Biol., Bi-m. Progr. Rept.* 7. 1951, nr. 5, p. 1—2.
- Coppock, J. B. M.**, and **Cookson, E. D.**, The effect of humidity on mould growth on constructional materials. [*Aspergillus*, *Mucor*, *Penicillium*] *J. Sci. Food Agric.* 2. 1951, 534—537, 1 fig.
- Cox, R. S.**, A preliminary report on etiological and control studies of damping-off and root-rot in the conifer seedbed in Delaware. *Plant Dis. Repr.* 35. 1951, 374—378.
- Dimond, A. E.**, New hope for the elms. [dieback] *Frontiers Plant Sci.* 4. 1951, 7.
- Findlay, W. P. K.**, Dry rot in timber. Timber and Plywood *Ann.* 16. 1950/51, 82, 84, 86, 88, 90, 95—96, 98, 204.

- Findlay, W. P. K.**, Dry rot in timber; causes and some chemical treatments. *Chem. Age* 64. 1951, 171—172.
- Fullerton, A. W.**, Science wars on birch dieback. *Timber Canada* 12. 1952, nr. 5, p. 21—25.
- Grosjean, J.**, Onderzoekingen over de mogelijkheid van een bestrijding van de loodglansziekte volgens de boortag-methode. (Investigations on the possibility of silver-leaf disease control by the bore-hole method.) *Tijdschr. Plantenziekten* 57. 1951, 103—108.
- Hansbrough, J. R.**, Birch dieback. *Plants and Gard.* 7. 1951, 155.
- Huber, B., und Kraemer, G.-D.**, Droht Deutschland ein Eichen- und Kastaniensterben? I. Der Edelkastanienkrebs. II. Die Welkekrankheit der Eiche, [Chalara quercina, Endothia] *Allg. Forstztschr.* 6. 1951, 529—532, 2 Abb.
- Hussain, S. M.**, A serious heart-rot fungus. *Pakistan J. Forestry* 1. 1951, 384—388, 1 tab.
- Imazeki, R.**, (Cryptoderma pini (Brot. ex Fr.) Imazeki and C. yamanoi Imazeki.) (*Forsch. Pfl.krankh.*), *Kyoto*, 4. 1951, 174—177.
- Ito, K., and Hosaka, Y.**, (Gray mold and sclerotial disease of »Sugi« (*Cryptomeria japonica* D. Don.) seedlings, the causes of the so-called »snow molding«.) *Rin-Go-Shiken-Hokoku* (jap.) 51. 1951, 1—27.
- Jehle, R. A., and Jenkins, A. E.**, First observations in 1951 of spot anthracnose on flowering dogwood in Maryland. *Plant Dis. Repr.* 35. 1951, 277.
- Lohwag, K.**, Pignolifäule. *Int. Holzmarkt* 42. 1951, H. 24, S. 8—9.
- Lynch, D. W.**, Diameter growth of ponderosa pine in relation to the Spokane pine-blight problem. *Northwest. Sci.* 25. 1951, 157—163.
- May, C.**, Dieback of elm. *U. S. Bur. Plant Ind., Soils, agric. Engin., Beltsville*, 1951, 2 p.
- Morris, R. F.**, Tree injection experiments in the study of birch dieback. *Forestry Chron.* 27. 1951, 313—329.
- Rennerfelt, E., och Thunell, B.**, Undersökningar över bokens rödkärna. *Medd. Stat. Skogsforskningsinst.*, Stockholm, 39. 1951, nr. 4, 36 p.
- Riley, C. G.**, Mistletoe of jack pine. *Canada Dept. Agric., Div. Forest Biol.*, 1951.
- Roubal, J.**, Nový kůrovec pro ČSR., *Pityophthorus carniolicus* Wichm. a ostatní pinikolní Ipidi v českém Polabí. (*Pityophthorus carniolicus* Wichm. in Bohemia.) [in ramulis Pini nigricantis var. austriacae Endl.] *Ent. Listy (Folia ent.)*, Brno, 13 (1950). 1951, 166—167.
- Kleeside im Forstgarten.** *Allg. Forstztg.*, Wien, 62. 1951, 117.
- Trees and farm woodlots.** [*Gnomonia platani*, *Chalara quercina*] *Iowa agric. Exp. Stat. Rept.* 1949—1951. 1951, nr. 2, p. 19—21, 7 fig.
- Unkräuter**
Weeds — Mauvaises herbes
- Borset, O.**, (Chemical preparations for control of weeds in tree nurseries.) *Tidsskr. Skogbruk* (norweg.) 59. 1951, 186—188.
- Brooks, R. O.**, Chemical weeding as applied to forest nursery practice. *Pennsylv. Forests, Waters* 3. 1951, 42—43, 47—48.
- Brooks, R. O.**, Oil spray weeding as applied to forest nurseries in Pennsylvania. *Tree Planters' Notes* nr. 4. 1951, 6—7.
- Chaiken, L. E.**, The chemical control of brush in forest management. *Northeast. Weed Control Conf. Proc.* 5 (sup.). 1951, 77—78.
- Chaiken, L. E.**, Chemical control of inferior species in the management of loblolly pine. *J. Forestry* 49. 1951, 695—697.
- Chaiken, L. E.**, The use of chemicals to control inferior trees in the management of loblolly pine. *U.S. Forest Serv., southeast. Forest Exp. Stat., Pap.* 10. 1951, 34 p.
- Clifford, E. D.**, Methyl bromide to control weeds in conifer seedbeds. *Tree Planters' Notes* 7. 1951, 17—18.
- Cornelius, D. R., and Graham, C. A.**, Selective herbicides for improving California forest ranges. *J. Range Managem.* 4. 1951, 95—100.
- Cossitt, F. M.**, Use of petroleum products as selective herbicides in southern pine seedbeds. *J. Forestry* 49. 1951, 773—775.
- Eglit, A. K.**, (Use of herbicides against root weeds in forestry.) *Latv. PSR. Zinātņu Akad. Vēst.* 1951, 597—608.
- Eglit, A. K.**, (The use of herbicides against seed weeds in coniferous plant nurseries.) *Latv. PSR. Zinātņu Akad. Vēst.* 1951, 267—276.
- Eliaison, E. J.**, The use of oil sprays for the control of weeds in coniferous nurseries in New York. *Tree Planters' Notes* nr. 4. 1951, 4—6.
- Farrer, R. P.**, The use of selective herbicides in forestry in general and in nursery work in particular. *Empire Forestry Rev.*, London, 30. 1951, 66—71.
- Kersting, F.**, Versuche über die Unkrautbekämpfung in Forstbaumschulen. (Vorläufige Mitteilung.) *Nachr.-bl. dtsh. Pfl.schutzd.*, Braunschweig, 3. 1951, 65—69, 2 Abb.
- Lekander, J.**, Ogräsbekämpning med oljederivat i plantskolor för tall och gran. (Unkrautbekämpfung mittels Ölderivaten in Pflanzschulen für Kiefer und Fichte.) *Svenska Skogsv.fören. Tidskr.* 49. 1951, nr. 1, p. 1—4, 1 fig.

McQuilkin, W. E., Weed killers of limited use in re-foresting scrub oak barrens. U.S. Forest. Serv. northeast. Forest Exp. Stat. northeast. Res. Note 6. 1951, 4 p.

Niner, G. C., Control of weeds with Dowfume MC-2 in woody stock production at the Albuquerque SCS nursery. Tree Planters' Notes nr. 4. 1951, 9—10.

Oliver, D. A., Study of methyl-bromide as weed control in Parsons Nursery. Tree Planters' Notes nr. 4. 1951, 8—9.

Pearse, C. K., New trends in control of noxious range plants. J. Forestry 49. 1951, 498—500.

Robinson, J. W., Varsol tried on black locust seed-beds. [weed control] Tree Planters' Notes nr. 4. 1951, 7—8.

Srivastava, T. N., The application of selective herbicides to forestry practice. II. Indian Forester 77. 1951, 176—191, 4 tab.

Stoeckeler, J. H., Control of weeds in the nursery by chemicals. Tree Planters' Notes 7. 1951, 14—17.

Stoeckeler, J. H., Roe, E. L., and Sowash, R. O., Allyl alcohol for weed control in forest nurseries. Tree Planters' Notes 7. 1951, 10—12.

Tannehill, G. F., Control of hardwood underbrush by bulldozing. J. Forestry 49. 1951, 776—778, 4 fig.

Taylor, R. F., Use of Dowfume MC-2 as insect and weed killing agent in a forest tree nursery in Maine. Tree Planters' Notes nr. 4. 1951, 12—13.

Van Hell, W. F., and Veenstra, H., (The killing of shade trees by means of sodium arsenite.) Bergcultures, Buitenzorg, 20. 1951, 27—29.

d. Tierische Feinde

Animal parasites — Parasites animaux

Allgemeiner Teil

General part — Partie générale

Arnoldi, K. W., O nekotorych skonomernostjach slošenija entomo-kompleksow biozenosow pri stepnom lesoraswedenii. (Über einige Gesetzmäßigkeiten in der Zusammensetzung von entomologischen Komplexen der Biozönosen im Steppenwaldbau.) Zool. Zhurn. 30. 1951, 289—291.

Brauns, A., Anleitung zum Verschicken von Untersuchungsmaterial bei Holzbefall durch tierische Schädlinge. Norddtsch. Holzw. 1951, Nr. 14, S. 10.

Coste, C. D., Insectos parásitos de las maderas. Chacra 21. 1951, nr. 247, p. 20—21.

De la Puente, J. M., Efectos del pastoreo sobre la reproducción de arboles forestales. Tierra (México) 6. 1951, 285—287, 317.

Durst, J., Zerstörungen des Holzes. — durch Tiere verursacht. Holzindustrie, Leipzig. 4. 1951, 386 bis 388.

Gäbler, H., Schädliche und nützliche Insekten des Waldes. Neumann, Radebeul u. Berlin 1951. 2. Aufl., 96 S.

Graham, S. A., Developing forests resistant to insect injury. Sci. Monthly 73. 1951, 235—244.

Kerr jr., T. W., Ornamental insect control. No. 2. Birch leaf miner (Fenusa pusilla). Rhode Island agric. Exp. Stat. Misc. Publ. 40—42. 1951, 4 p.

Kowalski, Z., Akcja zwalczania drapieżników i szkodników w roku 1950. (Aktion zur Bekämpfung von Raubwild und Schädlingen im Jahre 1950.) Lowiec Polski 1951, nr. 9, p. 1—2.

Kraemer, G.-D., Die Definierung der Brutbaumdiposition bei Schädlingsbefall. Verh. dtsch. Ges. angew. Ent. e.V. 11. Mitgl.versamml. München 1949. 1951, 171—175.

Kurenzow, A. I., (On protection of Manchurian ash lumber from damage by insects in the forest.) Priroda (russ.) 40. 1951, nr. 8, p. 78—80.

Olson, H., How does wood decay? I. Pest Control 19. 1951, nr. 10, p. 40, 72; nr. 12, p. 24, 43.

Quadri, M. A. H., Table of some of the more important forest and timber pests of West Pakistan. Pakistan J. Forestry 1. 1951, 238—240.

Rohrl, A. M., Forstschutz gegen Tiere. In: Rubner, K., Neudammer forstl. Lehrb. (Neumann, Berlin 1951), S. 391—576.

Schwerdtfeger, F., Die natürliche Regelung der Populationsdichte bei den Forstinsekten. 9. int. Congr. Ent., Amsterdam, 1951, 35—36.

Simpson, L. J., Prevention of damage by borers in softwood logs or fire-killed timber. Canada Dept. Agric., Div. Forest Biol., Ottawa, 1951, 5 p.

Taylor, R. F., Use of Dowfume MC-2 as insect and weed killing agent in a forest tree nursery in Maine. Tree Planters' Notes nr. 4. 1951, 12—13.

Vité, P., Zur wirtschaftlichen Bedeutung holzerstörender Tiere. Holz-Zentralbl. 77. 1951, 1857—1858, 1875—1876.

Voûte, A. D., Zur Frage der Regulierung der Insekten-Populationsdichte durch räuberische Tierarten. Ztschr. angew. Ent. 33. 1951, 47—52.

Holzerstörende Insekten. — Was wird befallen? Forstw.-Holzw. 5. 1951, 178—180.

Timber pests, their origin, prevention and cure. Timber Development. Assoc., Ltd., London 1951. 62 p., 2 fig., 17 tab.

Vermes

Maki, T. E., and Henry, B. W., Root-rot control and soil improvement at the Ashe Forest Nursery. [fungi and nematodes] South. Forest. Stat. Occ. Pap. nr. 119. 1951, 23 p.

Turica, A., Comprobación de un ataque de *Heterodera marioni* Goodey a sauce-álamos del Delta. IDIA (Inform. Invest. agric., Argentina) 4. 1951, nr. 42/43, p. 5-6.

Arthropoda: Hexapoda, Arachnoidea

Allgemeiner Teil

General part — Partie générale

Arango, R., Los enemigos del arbol. Acción Agr., Habana, 1. 1951, nr. 9, p. 4.

Beer, Borkenkäfer, Holzmaden und sonstige Schädlinge. Forstwirtschaft — Holzwirtschaft 5. 1951, 129.

Black, R., Canada pioneers a plan for forest insect control. Amer. Forests 57. 1951, nr. 2, p. 12-13, 42.

Boback, A. W., Die Bestandsänderung der Waldvogelwelt durch Krieg und Kriegsfolgen und der forstliche Vogelschutz. Anz. Schäd.kunde 24. 1951, 40-42.

Bromley, S. W., Trees and tree insects, with special reference to the Dutch elm disease. J. New York ent. Soc. 59. 1951, 250-252.

Butcher, J. W., The problem of sampling for forest insect populations. Manitoba ent. Soc. Proc. 7. 1951, 30-34.

Chatterji, N. C., and Chatterji, P. N., Insect borers of newly felled timber, and their control. 2. Indian Forester 77. 1951, 740-746.

Collins, T., Experience in organizing for forest insect control. West. Forestry, Conserv. Assoc. Proc. 42. 1951, 51-52.

Connolly, P. J., Pyrethrum and rotenone sprays. [insect control] Trees 11. 1951, nr. 3, p. 8.

Daviault, L., Les ravageurs des cônes. Forêt et Conserv. 3. 1951, nr. 2, p. 69-72.

Daviault, L., Treizième rapport annuel sur l'entomologie forestière, pour l'année finissant le 31 mars 1950. Quebec Minist. Terres, Forêts, Serv. Prot. Forêts, 1951, 27 p.

De Gryse, J. J., Control of forest insects in Canada. U. Nat. Sci. Conf. Conserv., Util. Resources Proc. 5. 1951, 57-59.

De Gryse, J. J., Forest entomology. Sci. News 21. 1951, 94-109 (Penguin Books, Harmondsworth).

Dobrowskij, B. V., (Increasing (seed) productivity of oak.) [insect control by airplane dusting of trees] Les i Step 3. 1951, nr. 6, p. 27-28.

Dupuy, R., Un nouveau procédé de thérapeutique forestière pour la destruction des parasites des arbres. Féd. Assoc. Communes Forest. franç. Bull. Off. 9/10. 1951, 4-5.

Elton, E. T. G., Overzicht der beschikbare gegevens over insectenplagen in onze bossen en andere houtopstanden in 1950. (Überblick über die verfügbaren Daten über Insektenkalamitäten in Wäldern und anderen Gehölzen in den Niederlanden im Jahre 1950.) Nederl. Boschbouw-Tijdschr. 23. 1951, 227-238. — Meded. Inst. toegep. biol. Onderz. Natuur nr. 22. 1951, 12 p.

Every, R. W., A program for spraying insect pests of shade trees. Nat. Shade Tree Conf. Proc. 27. 1951, 253-254.

Fletcher, F. W., Ovotran wettable a new miticide for shade trees. [p-chlorophenyl-p-chlorobenzene sulfonate] Trees 11. 1951, nr. 4, p. 8.

Florov, D. N., Nasekomye-vrediteli shishek i semian kivojnykh porod (Vostochnoi, Sibiri). (Insect-pests of cones and seeds of coniferal species (Eastern Siberia).) Goslesbumizdat, Moskva 1951. 41 p.

Fransen, J. J., De ontwikkeling van de insectenbestrijding in de bosbouw. I-IV. (Die Entwicklung der Insektenbekämpfung in der Forstwirtschaft. I-IV.) Tijdschr. nederl. Heidemaatsch. 62. 1951, 29-35, 81-86, 130-134, 179-183.

Franz, J., Neue forstentomologische Forschungen in Kanada. Anz. Schäd.kunde 24. 1951, 37-39.

Gäbler, H., Giftspritzringmethode und ihre Entwicklungsmöglichkeiten. Anz. Schäd.kunde 24. 1951, 35-36.

Gäbler, H., Kiefernstreuuntersuchungen auf Schadinsekten. Neumann Verlag, Radebeul u. Berlin 1951. 20 S., 37 Abb.

Gäbler, H., Schädliche und nützliche Insekten des Waldes. Neumann, Radebeul u. Berlin 1951. 2. Aufl., 96 S.

Girth, H. B., Insects affecting trees grown for Christmas trees and Christmas greens in New Jersey. New Jersey Farm Forestry, Christmas Tree Growers Assoc. Bull. 3. 1951, 7-9.

Glaeser, H., (100 per cent results from spraying Coniferae at Hørsholm nursery.) [control of pests] Gart.-Tid. 67. 1951, 35-36.

Glebow, M. A., Raspredelenie i raschod jada pri opylivani lesosazhischitnych polos mashinnoj OKS. (Verteilung und Verbrauch des Giftes der Maschine OKS bei der Bestäubung in Waldschutzstreifen.) Lesn. chosjaistwo 4. 1951, 81-82.

Głowacki, J., (Preliminaries to the study of importance of birch tree in forest biocoenosis summary.) Sylwan 95. 1951, 214-219.

- Gößwald, K.**, Die Rote Waldameise im Dienste der Waldhygiene. Forstwirtschaftliche Bedeutung, Nutzung, Lebensweise, Zucht, Vermehrung und Schutz. Metta Kinau Verlag, Wolf u. Täufer, Lüneburg [1951]. 160 S., 50 Abb., 6 Farbtaf.
- Goidanich, A.**, (Biological and economic problems posed by insects injurious to poplars.) Congr. Naz. Pioppicoltura. Atti 1951, 19—30.
- Gourlay, E. S.**, Notes on insects associated with *Pinus radiata* in New Zealand. Bull. ent. Res. 42. 1951, 21—22.
- Grezkín, W. P.**, Otscherki po biologii vreditel' lesa. (Abhandlungen über die Biologie der Forstschädlinge.) Mosk. Oshchsch. Isp. Prirody, Moskau 1951. 148 p.
- Györfi, J.**, Die Schlupfwespen und der Unterwuchs des Waldes. Ztschr. angew. Ent. 33. 1951, 32—47.
- Hadlington, P.**, Forest insects and wood-destroying insects of New South Wales. V. New South Wales Forestry Comm., Div. Wood Technol., Techn. Notes 5. 1951, nr. 2, p. 22—25.
- Hallin, W. E.**, Unit area control in California forests. U.S. Forest Serv. Calif. Forest, Range Exp. Stat. Forest Res. Note 77. 1951, 6 p.
- Hamilton, C. C.**, Troublesome insects of 1951. Shade Tree 24. 1951, nr. 12, p. 5.
- Hammeren, N. K.**, (The forests and the insect pests.) Skogbrukeren 26. 1951, 257.
- Hanson, H. S.**, Forest entomology. Great Brit. Forestry Comm. Rept. Forest Res. 1950—1951, 98—107.
- Henze, Waldvogelschutz im Mai und Juni.** Allg. Forstztzshr. 6. 1951, 223.
- Henze, Der Waldvogelschutz macht Fortschritte.** Allg. Forstztzshr. 6. 1951, 501.
- Hodson, A. C., MacAloney, J. H., and Graham, S. A.**, Forest insect surveys. Amer. Assoc. econ. Ent., North Centr. States Branch, Proc. 6. 1951, 81—84 (Abstr.).
- Hopping, G. R.**, Timber types in relation to insect outbreaks in the Canadian Rocky Mountains. Ontario ent. Soc. 81th Ann. Rept. (1950). 1951, 72—76.
- Howden, H. F., and Vogt, G. B.**, Insect communities of standing dead pine (*Pinus virginiana* Mill.). Ann. ent. Soc. Amer. 44. 1951, 581—595.
- Hoyt, A. S.**, Forest insect control. West. Forestry, Conserv. Assoc. Proc. 42. 1951, 50—51.
- Iljinskij, A. I.**, Borba s listogryuschtschimi nasekomymi v lesnych polosach. (Bekämpfung der blattfressenden Insekten in den Waldstreifen.) Les i step 3. 1951, 87—90.
- Inoue, M.**, Ringyo gaichu bojo-ron jokan. (A study of forest protection from injurious insects.) Chikyu Shuppan Kabushiri Gaisha, Tokyo 1951. 200 p.
- Jost, W.**, Forstmann, schütze deinen Wald vor Insekten, treibe Vogelschutz! Forstl. Mitt. 4. 1951, 63—64.
- Kangas, E.**, On population regulation of forest insects living in tree rind in Finland. 9. int. Congr. Ent., Amsterdam, 1951, 34.
- Kerr jr., T. W.**, Several injurious ornamental and shade tree insects and their control. J. econ. Ent. 44. 1951, 234—240.
- Klots, A. B.**, Studies of a Connecticut nexus. [insects on *Alnus incana*] Biol. Rev. 13. 1951, 14—17.
- Knight, F. B.**, Survey gives new information on insect damage to loblolly pine (*Pinus taeda*) cones. Forest Farmer 10 (11, i. e. 12). 1951, 8.
- Koehler, W.**, Biologiczne metody walki ze szkodnikami lasow w ZSRR. (Biologische Methode zur Bekämpfung der Waldschädlinge in der UdSSR.) Las Polski 1951, 10—15.
- Koehler, W.**, Przyczyny powstawania i przebieg gradacji szkodliwych owadów leśnych. (Causes of emergence of predatory forest insects and development of outbreaks.) Krakow Inst. Badawczy Leśn. Prace 74. 1951, 45 p.
- Lambert, R.**, Rapport sommaire de l'inventaire des insectes forestiers de la Province de Québec pour l'année 1950. Canada Minist. Agric., Ottawa 1951. 21 p.
- Lekander, M.**, Skogsinsekternas uppträdande i Sverige under tiden 1741—1945. (Les invasions d'insectes dans les forêts de la Suède pendant les années 1741—1945.) Meddel. Stat. Forskn. inst., Stockholm, 39. 1951, nr. 5, 207 p., 2 tab. geogr.
- Mackenzie, J. M. D.**, Control of forest populations. Quart. J. Forestry 45. 1951, 95—102.
- Morris, R. F.**, The importance of insect control in a forest management program. Canad. Entomologist 83. 1951, 176—181.
- Neiswander, R. B.**, Some tree pests in the Midwest. Nat. Shade Tree Conf. Proc. 27. 1951, 83—92.
- Nosek, J.**, (Biocenological problems of the bark beetle fauna of Jeseníky-Mountains.) Vysoká Šk. Zeměděl. Lesn. Sborn., Brunn, 3/4. 1951, 103—117.
- Nunberg, M.**, Klucz do oznaczania ważniejszych szkodliwych owadów leśnych. (Schlüssel zur Bestimmung der wichtigsten schädlichen Forstinsekten.) Warschau 1951. 313 p.
- Prebble, M. L., a. o.**, Forest entomology in relation to silviculture in Canada. I—VI. Forestry Chron. 27. 1951, 6—37.
- Qadri, M. A. H.**, Brief survey of the important forest pests of Pakistan. Pakistan J. Forestry 1. 1951, 368—371.

- Qadri, M. A. H.**, Some of the important forest pests of the north-western Himalayas during 1950. Pakistan J. Forestry 1. 1951, 67—73.
- Richmond, H. A.**, Developments in forest entomology in British Columbia during 1951. West. Forestry, Conserv. Assoc. Proc. 42. 1951, 53—54.
- Röhrig, H.**, Standortsfragen in der Forstentomologie. Forstarchiv 22. 1951, 133—135.
- Roonwal, M. L.**, Errata to C. F. C. Beeson's (1941) book: »The ecology and control of the forest insects of India and the neighbouring countries«. Indian Forester 77. 1951, 118—123.
- Rudnev, D. F.**, DDT i GKHTSG v bor'be s vrediteliami lesa i polezashchitnykh nasazhdenii. (DDT and benzene hexachloride in the control of forest and shelterbelt plantation pests.) Akad. Nauk Ukrainkoi SSR., Kiev 1951. 82 p.
- Rudnew, D. F.**, (Dinitro-o-cresol preparations for the control of forest pests (insects).) Les i Step' (russ.) 3. 1951, nr. 5, p. 80—81.
- Ryvkin, B. V.**, (Pests of acorns.) Priroda 40. 1951, nr. 11, p. 61—62.
- Sacharow, L. S.**, a **Lewkowsitch, W. G.**, Wrednyjennaskomyje prirodnyh lesow i lesoposadok po gosudarstvennoj lesnoj saschtschitnoj polose Saratow-Kamyschin. (Schädliche Insekten der Naturwälder und Waldanpflanzungen im staatlichen Schutzwaldstreifen Saratow-Kamyschin.) Soolog. Shurnal 30. 1951, 293—308.
- Schenk, P. J.**, (Galls and mealy bugs on conifers.) Vakbl. Bloemisterij 6. 1951, 276.
- Schmidt, H.**, Holzinsekten. Geest & Portig, Leipzig 1951. 33 S.
- Shackleton, P.**, Disease — timber's new ally. [biological control of forest insects] Canad. Business 24. 1951, nr. 3, p. 48—50, 82—83.
- Shenefelt, R. D.**, and **Simkover, H. G.**, Insecticides and their effects on evergreen seedlings as related to white grub control. [BHC and chlordane on Pinus resinosa seedlings] Amer. Assoc. econ. Ent. north. Centr. States Proc. 6. 1951, 77 (Abstr.).
- Shilova-Krassova, S. A.**, (Attraction of birds for the purpose of forest protection.) Lesn. Khoz. (russ.) 4. 1951, nr. 6, p. 75—77.
- Simpson, L. J.**, Prevention of damage by borers in softwood logs or fire-killed timber. Canada Dept. Agric., Sci. Serv., Div. Forest. Biol., 1951, 5 p.
- Starnes, O.**, Call-forming pests of Christmas trees. New Jersey Farm Forestry, Christmas Tree Growers Assoc. Bull. 3. 1951, 10—11.
- Stevens, O. A.**, Shrubs and trees to attract birds. North Dakota agric. Coll. Ext. Circ. A-156. 1951, 6 p.
- Stoeckeler, J. H.**, and **Heinselman, M. L.**, Deer damage may be reduced by use of repellents. U.S. Forest Serv. Lake States, Forest Exp. Stat. Techn. Note 355. 1951, 1 p.
- Szmidt, A.**, Wykorzystaimy owady dla celow ochrony lasu. (Nutzen wir die Insekten für Zwecke des Forstschutzes.) Las Polski 25. 1951, nr. 10, p. 11—12.
- Takahashi, Y.**, and **Ito, C.**, (On attract test of the harmful insects of pine by trap log in Mizubayashi state-forest.) Jap. Forestry Soc. Trans. 59. 1951, 159—161.
- Taylor, K. L.**, Forest insects and wood-destroying insects of New South Wales. IV. Insects attacking the living and dying trees. New South Wales Forestry Comm., Div. Wood Technol., Techn. Notes 5. 1951, 8—11.
- Templin, E.**, Erkennung und Abkehr unserer wichtigsten tierischen Pappelschädlinge. Forstw.-Holzw. 5. 1951, 117—120.
- Thürnaue, H.**, Beiträge zur Katastrophenempfindlichkeit der Fichte im Harz in Vergangenheit und Gegenwart und Hinweise zur Vermeidung zukünftiger Schäden. Diss. Hannov.-Münden 1951.
- Vietinghoff-Riesch, A. v.**, Beiträge zur Geschichte der Insektenkalamitäten im mitteldeutschen Raum (Oberlausitz). Forstwiss. Centralbl. 70. 1951, 446—455, 1 Abb., 1 Landkarte.
- Vietinghoff-Riesch, A. v.**, Vertilgerkreise einiger forstlicher Großschädlinge. Vortr. Hochsch.woche Hannov.-Münden 1951, 62—66.
- Viviani, W.**, La lotta degli insetti xilofagi di pioppo. Humus 8. 1951, nr. 8, p. 16—20.
- Wellenstein, G.**, Die großen Gefahren. [Insekten] Unser Wald 4. 1951, Nr. 5, S. 1—3.
- Yuill, J. S.**, **Eaton, C. B.**, and **Isler, D. A.**, Airplane spraying for forest pest control. U.S. Bur. Ent., Plant Quar. E-823. 1951, 21 p.
- Zwölfer, W.**, Forstentomologische Nachkriegsprobleme in Süddeutschland. Verhandl. dtsh. Ges. angew. Ent. 11. Mitgl.versamml. München 2.—4. 10. 1949 (P. Parey, Berlin). 1951, 110—120.
- Aerial spraying program for 1952 outlined.** Lumberman, Seattle, 78. 1951, 101.
- Canada Department of Agriculture:** Annual report of the Forest Insect Survey, Division of Forest Biology, Science Service, 1950. Ottawa 1951. 123 p., tab.
- Forest insect conditions in California...** 1950. Calif. Div. Forestry, Sacramento, 1951, 14 p.
- La lutte contre les insectes déprédateurs du bois.** Rev. Bois, Paris, 6. 1951, 41—42, fig.

The more important forest insects in 1950—a summary.
U.S. Dept. Agric., Bur. Ent., Plant Quar., Insect
Pest Surv. Spec. Suppl. nr. 4. 1951, 14 p.

Timber pests, their origin, prevention and cure. Timber
Developm. Assoc. Ltd., London 1951. 62 p.

Orthoptera, Isoptera

Eaton, C. B., Tree decadence and mortality in hard-
wood stands infested by the walking stick (*Diapheromera femorata*). Proc. amer. Assoc. econ. Ent.
(north. Centr. States Branch) 6. 1951, 78—80.

Hodson, A. C., 1951—the northern walking stick's
(*Diapheromera femorata*) year. Minnesota Farm,
Home Sci. (Minnesota Stat.) 8. 1951, nr. 3, p. 6—7.

Schmidt, H., Tierische Holzschädlinge: Termiten (Iso-
ptera). Holz als Roh- u. Werkstoff 9. 1951, 371
bis 382.

Thysanoptera, Heteroptera

Knowlton, G. F., The boxelder bug (*Leptocoris trivittatus*).
Utah State agric. Coll. Ext. Bull. 218. 1951,
2 p.

Mende, P. F., Opyt chimitscheskoj borby s wrednoj
tscherepaschkoy na mestach jeje simowok. (Versuch
einer chemischen Bekämpfung der schädlichen
Schildwanze an ihren Überwinterungsplätzen.) Lesn.
chosjaistwo 4. 1951, 84—86.

Nolte, H.-W., Die Bedeutung der Witterungsfaktoren
der Nahrungsqualität und der Feinde für Ent-
wicklung und Vermehrung des Lärchenblasenfußes
(*Taeniothrips laricivorus* Krat.). Nachr.bl. dtsh.
Pflschutzd., Berlin, NF. 5. 1951, 52—54.

Nolte, H.-W., Beiträge zur Morphologie und Biologie
des Lärchenblasenfußes (*Taeniothrips laricivorus*
Krat.). Beitr. Ent., Berlin, 1. 1951, 110—139,
12 Abb.

Nolte, H.-W., Die Feinde des Lärchenblasenfußes
(*Taeniothrips laricivorus*). Ein Beitrag zur Bedeu-
tung der räuberischen Feinde der Thysanopteren.
Zool. Anz. 146. 1951, 187—191.

Pelikán, J., O korní trásněnce *Hoplandrothrips bispi-*
nosus Pr. (On *Hoplandrothrips bispinosus* Pr.)
(Thysanoptera corticicola IV.) [on *Quercus lanu-*
ginosa] Ent. Listy (Folia ent.), Brno, 14. 1951,
153—158, 7 fig.

Smith, R. C., Boxelder bug (*Leptocoris trivittatus*)
control. Proc. amer. Assoc. econ. Ent. (north. Centr.
States Branch) 6. 1951, 18.

Tropin, I., Futterpflanzen und morphologische Charak-
teristik der Kiefernrindenwanze (*Aradus cinnamo-*
meus Panz., Hemiptera, Aradidae.) (Ent. Umschau)
(russ.) 31. 1951, H. 3/4.

Homoptera

Brown, L. R., and Eads, C. O., Experimental control
of sycamore scale with combinations of oil and
certain synthetic organic insecticides. [Stoma-
coccus platani] J. econ. Ent. 44. 1951, 611—613.

Burschel, P., und Vité, P., Neue Beobachtungen über
die Buchenblattbaumlause *Phyllaphis fagi* L. (Hem.,
Aphididae). Forstwiss. Centralbl. 70. 1951, 181—186.

Granit, A. W., Barrlössen vinna allt större spridning
i landet. [Chermes] Mem. Soc. Fauna, Flora Fenn.
26 (1949—1950). 1951, 67—71, 1 fig.

Granit, A. W., Skadegörelse av sköldlöss. [Lecanium
corni] Mem. Soc. Fauna, Flora Fenn. 26 (1949—
1950). 1951, 15—16.

Häfliger, E., Die Fichtengallenlaus. [Adelges laricis
Vallot] Schweizer Garten 21. 1951, Nr. 3, S. 89—91.

Hall, J. A., Chemical control of the oystershell scale
in the Georgian Bay area of Ontario. [Lepidosaphes
ulmi] Ontario ent. Soc. Ann. Rept. 81 (1950).
1951, 81—85.

Hierholzer, O., und Lüdge, W., Die Douglasienwollaus,
Gilletteella cooleyi (Gill.) C. B. in Württemberg-
Hohenzollern. Allg. Forst- u. Jagd-Ztg. 122. 1951,
192—201, 7 Abb.

Issen, G., Die Buchenwollschildlaus (*Cryptococcus*
fagi Bärenspr.) und eine neue Methode ihrer Be-
kämpfung. Forstw.-Holzw. 5. 1951, 175—176.

Kloft, W., Schädigen Honigtau erzeugende Kienläuse
(Lachniden) ihre Wirtspflanzen? Imkerfreund 6.
1951, 188—189.

Lucking, W. H., To evergreens that are in trouble:
Juniperus scopulorum and *ponderosa* pine. [aphid
infestation] Green Thumb, Denver, 8. 1951, nr. 7,
p. 8—9.

McWilliams, J. P., Rain from your shade trees. [sticky
solution is the result of aphid and scale (Coccidae)
activity] Amer. Forests 57. 1951, nr. 8, p. 15,
32—33, 35.

Meyer, J., Observations cytologiques sur la succion
de la fondatrice d'*Adelges* (i.e. Chermes) *abietis*
Kalt. sur *Picea excelsa* L. et la differentiation d'un
tissu nourricier primaire par mitaplasie. Compt.
rend. Acad. Sci., Paris, 233. 1951, 631—633.

Meyer, J., Origine maternelle des principaux tissus et
du plasmème nourricier des galles larvaires d'*Adelges*
abietis Kalt. sur *Picea excelsa* Lk. Compt. rend.
Acad. Sci., Paris, 233. 1951, 886—888.

Neiswander, R. B., Controls for pine needle scale
(*Phenacaspis pinifoliae*). Ohio Farm, Home Res.
(Ohio Stat.) 36. 1951, nr. 268, p. 10—11.

Nuorteva, P., Experimentelle Untersuchungen über
die Nährpflanzenwahl einer oligophagen Zikade,
Aphrophora alni (L.) (Hom., Cercopidae). Suomen
Hyönteistieteellinen Aikakausk. 17. 1951, 10—17.

Nuorteva, P., Ein Massenaufreten von *Oncopsis tristis* Zett. (Hom. Macropsidae) auf Birken nebst Beobachtungen über die Biologie der Art. Suomen Hyönteistieteellinen Aikakausk. 17. 1951, 162—166.

Peterson, L. O. T., The control of the pine needle scale in the Prairie Provinces. Canad. Dept. Agric., Div. Ent., Proc. Publ. nr. 121 (1950). 1951.

Schmutterer, H., Der Ulmenblattfloh *Psylla ulmi* Frst. (Homoptera, Psylloidea) als Honigtauerzeuger und Beiträge zu seiner Lebensweise. Ztschr. Bienenforsch. 1. 1951, 99—102.

Schmutterer, H., Zur Lebensweise der Nadelholz-Diaspidinen (Homoptera, Coccoidea, Diaspididae, Diaspidinae) und ihrer Parasiten in den Nadelwäldern Frankens. Ztschr. angew. Ent. 33. 1951, 111—136, 10 Abb.

Van Dinther, J. B. M., Twee Coccinellidae als roofvijanden van *Dreyfusia piceae* Ratz. (Two coccinellids as predators of *Chermes piceae*.) Tijdschr. Ent., Amsterdam, 94. 1951, 169—188, 2 fig.

Wellenstein, G., Tannentrieblaus und Douglasienwollaus. Lebensweise und Bekämpfung der *Dreyfusia nusslii* C. B. und der *Gilletteella* (i. e. *Chermes*) *cooley* Gill. Holz-Zentralbl. 77. 1951, 388—389.

Coleoptera

Allgemeiner Teil

General part — Partie générale

Borchert, W., Die Käferwelt des Magdeburger Raumes. Magdeburger Forsch. 2. 1951.

Davidson, R. W., A deterioration problem in beetle-killed spruce in Colorado. Phytopathology 41. 1951, 560.

Fahney, Zur Rüsselkäfer- und Bastkäferbekämpfung [*Hylobius abietis*, *Hylastes* spp.] Landw. Wochenbl. Westf. u. Lippe 108 A. 1951, 667—668.

Iwamura, M., (Biological studies on litter in forests. 2. Ecological observation of litter-fauna.) [fungus growth in relation to damage by Coleoptera] Jap. Forestry Soc. Trans. 59. 1951, 131—132.

Palm, Th., Die Holz- und Rinden-Käfer der nord-schwedischen Laubbäume. (De nordsvenska lövträdens ved- och barkskalbaggar.) Meddel. Stat. Skogsforskn. inst., Stockholm, 40. 1951, nr. 2, 242 p., 63 fig., 3 tab.

Saalas, U., Einiges über Charakterarten der Käferbestände an Fichten von verschiedener Beschaffenheit. Ztschr. angew. Ent. 33. 1951, 12—18. — 7. int. Congr. Ent. 9. 1951, 3—5.

Szczuka, J., Uproduktywnienie lasów pogradacyjnych. (Aufbesserung der in den Wäldern durch außergewöhnlichen Käferbefall entstandenen Schäden.) Las Polski nr. 4. 1951, 3—4.

Carabidae, Lymexylidae, Buprestidae

Brauns, A., Nutzholzschiäden durch Werftkäfer. [Lymexylidae] Norddtsch. Holzw. 5. 1951, Nr. 6, S. 6—7.

Kamp, H. J., Der Buchenprachtkäfer (*Agrilus viridis* A.) und seine Bekämpfung. Allg. Forstztg. 6. 1951, 423—424.

Lebis, E., Population carabologique de la forêt de Lyons (Eure). Entomologiste 7. 1951, 121—124.

Rupf, H., Achtung, Buchenprachtkäfer! Württ. Wochenbl. Landw. 118. 1951, 808, 2 Abb.

Wellenstein, G., Der Buchenprachtkäfer (*Agrilus viridis* L.), ein zur Zeit besorgniserregender Schädling. Holz-Zentralbl. 77. 1951, 1162.

Woelfle, M., Auftreten des Buchenprachtkäfers (*Agrilus viridis*). Allg. Forstztzsch. 6. 1951, 118.

Bekämpfung des Buchenprachtkäfers. Holz-Zentralbl. 77. 1951, Nr. 149.

Coccinellidae, Bostrychidae

Browne, F. G., Insecticides against powder post beetles. Malayan Forest. 14. 1951, 97—98.

Desfarges, P., Attention au bostryche, où en est la lutte engagée contre le destructeur des forêts. Bois et Scieries 57. 1951, 1068—1069.

Hequist, K. J., Två till sverige med bambu införda Dinoderusarter (Bostrychidae, Col.). Ent. Tidskr. 72. 1951, 70—73.

Taylor, K. L., What is »*Lyctus susceptible-sapwood*»? New South Wales Forestry Comm., Div. Wood Technol., techn. Notes 5. 1951, 7.

Vrydagh, J. M., Faune entomologique des bois au Congo Belge; les insectes bostrychides (première note). Bull. agric. Congo belge 42. 1951, 65—90.

Anobiidae

Bletchly, J. D., A summary of some recent work on factors affecting egg-laying and hatching in *Anobium punctatum* De Geer. Proc. 9th int. Congr. Ent. 1. 1951, 728—734.

Hickin, N. E., The menace of the woodworm. (Excerpts.) [*Anobium punctatum* and *Lyctus*] Real Estate J. 2 (n. ser.). 1951, 165—168.

Kurir, A., Holzinsekten — Holzschutz. Totenuhr (*Anobium punctatum*). Allg. Holz-Rundschau 7. 1951, 164—166.

Kurir, A., Holzinsekten — Holzschutz. Trotzkopf (*Anobium pertinax*). Allg. Holz-Rundschau 7. 1951, 185—186.

Roonwal, M. L., and Chatterji, P. N., The control of the Indian bookworm beetle, *Gastrallus indicus* Reitter (Coleoptera: Anobiidae), by the heat treatment, together with observations on the post-treatment viability of the larvae. *Indian Forester* 77. 1951, 500—512.

Spiller, D., Digestion of alpha-cellulose by larvae of *Anobium punctatum* De Geer. *Nature*, London, 168. 1951, 209—210.

Spiller, D., Note on susceptibility of *Pinus radiata* D. Don timber to attack by the common house borer *Anobium punctatum* De Geer. *New Zealand J. Sci., Techn. (B)* 32. 1951, nr. 5, p. 38—39, 1 fig.

Pochkäfer oder Anobien. Allgemeine Erkennungs- und Unterscheidungsmerkmale. *Xylamon-Nachr.* 10. 1951, 2—4, 12 Abb.

Scarabaeidae

Beresina, W. M., O borbe s majskim Chruschtschom w lesnom chosjaistwe. (Über die Bekämpfung des Maikäfers in der Forstwirtschaft.) *Lesn. chosjaistwo* 4. 1951, nr. 2, p. 60—64.

Bombosch, S., Kann die Bekämpfung des Maikäfers mit chemischen Mitteln eine Engerlingsplage beseitigen? 9. int. Congr. Ent., Amsterdam, 8. 1951, 3.

Bouchet, R. L., La destruction des »vers blancs«. [*Melolontha melolontha* control with benzene hexachloride] *Agriculture*, Paris, 15. 1951, 205—206.

Caputa, J., et Murbach, R., Essais de lutte contre les vers blancs en 1949—50. *Rev. rom. Agric., Vitic., Arboric.* 7. 1951, 67—69.

Durinow, S. A., Chruschtschi w Sabajkalje. (Maikäfer im Transbaikalgebiet.) *Lesn. chosjaistwo* 1951, 84.

Endrödi, S., Über die Gattung *Xylotrupes*. *Acta Biol.* 2. 1951, 239—252.

Fahney, H., Gereinigte und ungereinigte Hexa-Mittel zur Engerlingsbekämpfung bei Forstkulturen. *Allg. Forstsztschr.* 6. 1951, 129—130.

Groschke, F., Weitere Beobachtungen und Gedanken zur Verwendung von chemischen Mitteln bei der Engerlingsbekämpfung in forstlichen Pflanzgärten und Kulturen. *Anz. Schädлкunde* 24. 1951, 49—53, 2 Abb.

Howden, H. F., Howden, A. T., and Ritcher, P. O., Insects feeding on poison oak (*Toxicodendron quercifolium*). [*Phyllophaga ulkei*, *Serica verpertina*, *Diplotaxis bidentata*] *Coleopterists' Bull.* 5. 1951, 17—19.

Hurpin, B., Les pontes multiples chez le hanneton commun (*Melolontha melolontha* L.). 1. Evolution d'une population naturelle dans un site déterminé. *Compt. rend. Acad. Agric. France* 37. 1951, 195—197.

Jewett, H. H., Control of green June beetle larvae *Cotinis nitida* (L.). *Kentucky agric. Exp. Stat. Bull.* 559. 1951, 8 p.

Maibach, Maikäferbekämpfung. Bericht über die chemische Maikäferbekämpfung 1951 im Gebiet der unteren Emme, etwa 5000 ha. *Schweiz. Bienenztg.* 1951, 411—413.

Martysjuk, S. P., Primenienie gekzachlorana pri oblesenii sachruschtschewlennykh ploschtschadej w priste-pnych borach USSR. (Anwendung von Gesachloran bei der Bewaldung von mit Maikäfern verseuchten Flächen in den an die Steppe angrenzenden Kiefernheiden der Ukraine.) *Lesn. chosjaistwo* 4. 1951, nr. 10, p. 67—75.

Misezkij, J. S., Otwletschenie litschinok chruschtschej ot poselow na sosnowom pitomnike. (Die Ablenkung der Engerlinge von den Saaten in Kiefernsaatkämpen.) *Lesn. chosjaistwo* 4. 1951, nr. 3, p. 93.

Nunberg, M., Wystepowanie chrabaszcz na terenach Polski. (Auftreten des Maikäfers auf den Waldflächen Polens.) *Minist. Leśn. Inst. Badawczy Leśn. Prace Badawcze*, Warschau, nr. 66. 1951, 43 p., 1 fig.

Pfützenreiter, Beobachtungen zur Frage der biologischen Engerlingsbekämpfung. *Württ. Wochenbl. Landw.* 118. 1951, 746—747. — *Bad. landw. Wochenbl.* 118. 1951, 567—568.

Richter, G., Laboratoriumserhebungen im Dienste der Engerlingsbekämpfung mit Hexa- und Estermitteln. *Forstw. — Holzw. H.* 4. 1951, 112—117.

Robert, P., Les pontes multiples chez le hanneton commun (*Melolontha melolontha*). 2. Obtention de pontes successives au laboratoire. *Compt. rend. Acad. Agric. France* 37. 1951, 197—199.

Schwerdtfeger, F., Engerlingsbekämpfung im Kampf mit Hexamitteln. *Merkbl. forstpath. Inst. niedersächs. forstl. Vers.anstalt*, Sieber, Nr. 2. 1951.

Schwerdtfeger, F., Untersuchungen zur Engerlingsbekämpfung mit Hexamitteln auf der unbestockten Kulturlfläche. *Allg. Forstsztschr.* 6. 1951, 135—139.

Shenefelt, R. D., and Simkover, H. G., Insecticides for control of white grubs. [*Phyllophaga*] *J. econ. Ent.* 44. 1951, 359—362.

Shenefelt, R. D., and Simkover, H. G., White grubs and their control in forest tree nurseries. *Tree Planters' Notes* 7. 1951, 5—8.

Cerambycidae

Bilczyński, S., Charakterystyka żerdzianki sosnowki i sposoby jej zwalczania. (Charakteristik von *Monochamus galloprovincialis* und Methoden seiner Bekämpfung.) *Las Polski* 25. 1951, 12—14.

Brauns, A., Der technische Schaden des Fichtenbockes und seine Auswirkung. *Norddtsh. Holzw.* 5. 1951, Nr. 29.

Büch, C., Ein neuer Feind im Anmarsch. [*Hausbock*] *Saarl. Bauernbl.* 5. 1951, 28, 3 Abb.

De Epalza, T., El «banyarrique» de la encina (Cerambyx cerdo). Bol. Agric. Diputación Prov. Balearic Isl. 83. 1951, 3.

Dürr, H. J. R., A preliminary study of the relative toxicity of Tanalith K and Dieldrin to young larvae of the European houseborer, *Hylotrupes bajulus* L. J. ent. Soc. south. Afr. 14. 1951, 144—147.

Goertz, Über Lebensweise, Vermehrung und Schadwirkung des kleinen Pappelbocks. [Saperda populnea] Allg. Forstztzshr. 6. 1951, 221—223.

Haliburton, W., On the habits of the elm bark borer *Physocnemum brevilineum* (Say) (Coleoptera: Cerambycidae). Canad. Ent. 83. 1951, nr. 2, p. 36—38.

Kamp, H. J., Der Lärchenbock (*Tetropium gabrieli*), ein für Württemberg neuer Holzschädling. Holz-Zentralblatt 77. 1951, Nr. 3, S. 15.

Leiler, T. E., Ett sällsynt fyndsätt för *Hylotrupes bajulus* L. (Col.). (Ein seltenes Vorkommen des *Hylotrupes bajulus* L.) Ent. Tidskr. 72. 1951, 80—81.

Lepesme, P., et Breuning, S., *Cerambycides* nouveaux récoltés par R. Paulian et Cl. Delamare dans la réserve forestière du Banco (Côte d'Ivoire) (août-octobre 1945). Rev. franç. Ent. 18. 1951, 36—38.

Schmidt, H., Tierische Holzschädlinge: *Hylotrupes bajulus* L. Holz als Roh- u. Werkstoff 9. 1951, 331—332.

Schwerdtfeger, F., Zur chemischen Bekämpfung des kleinen Pappelbocks (*Saperda populnea* L.). Allg. Forstztzshr. 6. 1951, 223.

Simpson, L. J., Prevention of damage by borers in softwood logs or fire-killed timber. [Monochamus scutellatus] Canada Dept. Agric. Sci. Serv., Div. Forest Biol., Ottawa 1951, 5 p.

Van den Ende, G., De kleine populierenbektor (*Saperda populnea* L.) en zijn bestrijding. (Saperda populnea L. und seine Bekämpfung.) Nederl. Boschbouw-Tijdschr. 23. 1951, 145—147.

Vité, P., und Xylander, E. v., Der kleine Wespenbock. Zur wirtschaftlichen Bedeutung dieses Holzschädling. Holz-Zentralbl. 77. 1951, 1315—1316.

Chrysomelidae

Brooks, M., English sparrows eating locust leaf-miners (*Chalepus dorsalis*). Wilson Bull. 63. 1951, 116.

Quadri, M. A. H., A preliminary study of the poplar leaf beetle — *Nodostoma* sp. Pakistan J. Forestry 1. 1951, 119—121.

Platypodidae

Browne, F. G., Test of Chlordan against Ambrosia beetles. Malayan Forester 14. 1951, 88.

König, E., Achtet auf den Eichenkernkäfer! Norddtsch. Holzsw. 5. 1951, Nr. 26.

Curculionidae

Bayne, A., and Chrystal, R. N., The clay weevil (*Otiorynchus picipes* F.) an occasional pest of young coniferous plantations. Quart. J. Forestry 45. 1951, 169—171.

Bruner, S. C., y Valdés Barry, E., Notas sobre el control biológico del picudo negro del platano (*Cosmopolites sordidus*). Rev. Cuba Minist. Agric. 34 (ser. 8). 1949/1951, 90—99.

De A. Guimaraes, J., (Notes on a forest borer, imported, in the environs of Km. 47.) [*Diplogrammus sexlineatus*] Agronomia, Rio de Janeiro, 10. 1951, 169—172.

Edelman, N. M., (Some peculiarities of the physiological reaction of the acorn weevil (*Balaninus glandium* Marsch) to the action of DDT, benzene hexachloride and dichloroethane.) Dokl. Akad. Nauk USSR. 81. 1951, 117—120.

Eidmann †, H., und Röhrig, E., Über Ökologie und Lebensweise des Buchenspringgrüblers *Rhynchaenus* (= *Orchestes*) fagi L. Zool. Anz. 147. 1951, 225—237, 9 Abb.

Erden, R., Türkiye'de yeni bir kavak kültürlü tahrirçisi *Cryptorrhynchus lapathi* L. (*Cryptorrhynchus lapathi* L. als ein neuer Pappelkulturschädling in der Türkei.) Orman Fakültesi Dergisi, Istanbul, 1 (ser. A). 1951, nr. 2, p. 111—114, 2 fig.

Fenjves, P., y Fernandez Yopez, F., Datos sobre el «gorgojo negro del platano» (*Cosmopolites sordidus* (Germar), 1824; Coleoptera: Curculionidae) en Venezuela. Agron. trop., Maracay, 1. 1951, 227—232.

Geiges, L., Wird der Schwarzwald zur Steppe? (Der braune Rüsselkäfer.) [*Hylobius abietis* L.] Atlantis 23. 1951, 353—356, 8 Abb.

Hennig, R., Beobachtungen bei der Rüsselkäferbekämpfung. Allg. Forstztzshr. 6. 1951, 166—167.

Heqvist, K. J., (*Strophosomus* as pest of beech plants.) [*St. rufipes*, *St. melanogammus*] Svenska Sogsvårdsför. Tidskr. 49. 1951, 216—220.

Lengerken, H. v., Der Ahornblattroller (*Deporaus tristis* F.) auch an Rotbuche? Zool. Anz. 146. 1951, 27—30, 3 Abb.

Lengerken, H. v., Zur Brutbiologie des Pappelblattrollers (*Byctiscus populi* L.). Ztschr. angew. Ent. 32. 1951, 599—603, 6 Abb.

Magdorf, R., Plate, H.-P., und Knöpke, W., Starkes Schadaufreten von Graurüßlern an einjährigen Kiefernulturen. Allg. Forstztzshr. 6. 1951, 269—271, 8 Abb., 525—526.

Moser, Vereinfachtes Spritzverfahren bei der Rüsselkäferbekämpfung. Allg. Forstztzshr. 6. 1951, 166.

Nakano, H., (Treatment with permeable medicine of damaged trees by pine weevils (*Cryptorrhynchus insidiosus*) (Pic. Rep.)) Jap. Forestry Soc. Trans. 59. 1951, 156—158.

- Rausch, H.**, Neue Wege der Rüsselkäferbekämpfung. [Hylobius abietis] Allg. Forstztschr. 6. 1951, 165. — Forst u. Holz 6. 1951, 67—68.
- Recke**, Praktische Erfahrungen bei der Rüsselkäferbekämpfung. Holz-Zentralbl. 77. 1951, Nr. 35/36.
- Reißig, J.**, Zum Schadauftreten von Graurüßlern. Allg. Forstztschr. 6. 1951, 369.
- Robert, A.**, Notes biologiques sur les principaux insectes parasites des charançons de l'orme (*Magdalis* spp.): *Eubadizon magdali* Cress., *Spathius canadensis* Ash. (*Braconides*), *Trigonura tarsata* D. T., *Trigonura* sp. (*Chalcidides*, *Hyménoptères*). Ann. Assoc. canad.-franç. Avanc. Sci. 17 (1949/50). 1951, 138—142.
- Robert, A.**, Rôle respectif de chacune des espèces parasites dans la réduction des charançons de l'orme (*Magdalis* spp.). Ann. Assoc. canad.-franç. Avanc. Sci. 17 (1949/50). 1951, 143—147.
- Roßkothen, P.**, Der Brutfürsorgeinstinkt des Eichenblattrollers (*Attelabus nitens*, Scop. (Curculionidae). Ent. Bl. 47. 1951, 54—57, 2 Abb.
- Rudnew, D. F.**, Chimitscheskie sredstva borby s sheludewym dolgonosikom. (Chemische Mittel zur Bekämpfung des Eichen-Rüsselkäfers.) Les i step 3. 1951, 86—87.
- Schindler, U.**, Über den Einsatz von Rückenspritzern in den nordwestdeutschen Forstrevieren. [Hylobius abietis] Forst und Holz 6. 1951, 185—188.
- Schwerdtfeger, F.**, Bekämpfung des großen braunen Rüsselkäfers (*Hylobius abietis* L.). Forstpath. Inst. niedersächs. forstl. Vers.anst., z. Zt. Sieber/Harz, Merkbl. Nr. 1. 1951, 4 S.
- Schwerdtfeger, F.**, Praktische Erfahrungen bei der Rüsselkäfer-Bekämpfung. [Hylobius abietis] Holz-Zentralbl. 77. 1951, 345—347.
- Shenefelt, R. D.**, Control the white pine weevil (*Pissodes strobi*). Wisconsin Conserv. Bull. 16. 1951, 20—22.
- Shenefelt, R. D.**, A further note on the control of the white pine weevil (*Pissodes strobi*). J. Forestry 49. 1951, 575—576.
- Sittig, O.**, Nochmals: Vom Tannenpissodes. Allg. Forstztschr. 6. 1951, 42—43.
- Thielmann, K.**, Zur Rüsselkäferbekämpfung. Eine kritische Stellungnahme zu den Veröffentlichungen in Nr. 14 der AF. [Hylobius abietis] Allg. Forstztschr. 6. 1951, 194—195.
- Tschugunin, J. W.**, O merach likwidazii massowych wpsytschek neparnogo schelkoprijada. (Maßnahmen zur Liquidierung der Massenvermehrung des großen Schwammspinners — *Liparus dispar* L.) Lesn. chosjaistwo 4. 1951, nr. 5, p. 91—93.
- Valdés Barry, F.**, Control del picudo negro del plátano (*Cosmopolites sordidus*); ensayos con insecticidas. Agrotecnia 5. 1951, 35—40.
- Zur Bekämpfung des großen braunen Rüsselkäfers.** (*Hylobius abietis*). Vorläufiges Merkblatt. Allg. Forstztschr. 6. 1951, 230—231.

Scolytidae

- Androic, M.**, (Un nouvel ennemi du pin du littoral Croite et de l'istrie: *Pityogenes trepanatus* Nördl.) Šumarski List (serbo-croat.) 75. 1951, 396—399.
- Becker, G.**, Ausdehnung und Ablauf der *Dendroctonus*-Kalamität in Guatemala. Ztschr. angew. Ent. 33. 1951, 186—209, 10 Abb.
- Bloch, D.**, The war of man vs. beetle (*Dendroctonus engelmanni*) in the Engelmann spruce forests of Colorado. Green Thumb, Denver, 8. 1951, nr. 12, p. 22.
- Bombosch, S.**, Über Änderungen der physiologischen Leistungen von *Ips typographus* L. bei einer ungestört ablaufenden Massenvermehrung. 9. int. Congr. Ent., Amsterdam, 9. 1951, 1.
- Folweiler, A. D.**, Southern pine bark beetle (*Dendroctonus frontalis*) epidemics. Forests and People 1. 1951, nr. 3, p. 10.
- Ford, J. E.**, A new danger for tree farmers. [*Dendroctonus frontalis*] Research and Farming, North Carolina, 10. 1951, Progr. Rept. nr. 2, p. 3—4, 2 fig.
- Francke-Grosmann, H.**, Über Kopulation, Eiablage und Gelbkörperbildung beim Riesenbaskäfer *Dendroctonus micans* Kug. Verh. dtsh. Ges. angew. Ent. e.V. 11. Mitgl.versamml. München 1949. 1951, 142—153.
- Georgescu, V., Eliescu, G., și Bălănică, T.**, Doboriturile de vânt din iarna 1947/1948 și acțiunea de prevenire a calamităților de Ipsidae. Congr. int. Fitopat., Ent., Prot. Plant., Bucuresti (25. 7.—4. 8. 1949), 2. 1951, 199—205.
- Hadlington, P.**, The bark beetles (Scolytidae). New South Wales Forestry Comm., Div. Wood Technol., Techn. Notes 5. 1951, nr. 2, p. 26—30.
- Hierholzer, O.**, Die Bedeutung der Sinnesphysiologie in der Schädlingsbekämpfung, erklärt an Untersuchungen über die Orientierung des großen, krummzahnigen Tannenborkenkäfers, *Ips curvidens* Germ. Forstwiss. Centralbl. 70. 1951, 228—234.
- Hierholzer, O.**, Der Riesenbaskäfer (*Dendroctonus micans* Kug.). Holz-Zentralbl. 77. 1951, 1045.
- Hufnagl, H.**, Die vorbeugende Sicherung von Waldbeständen gegen den Fichtenborkenkäfer. Allg. Forstztg., Wien, 62. 1951, 95—96.

- Jacquot, C.**, Les «piqures noires» du chêne. [Xyloterus, Xyleborus, Platypus] Inst. Nat. Bois Étude Techn. 7. 1951, 4 p.
- Johnson, P. C.**, Application of risk ratings for western pine beetle (*Dendroctonus brevicornis*) control in the Inland Empire. Northwest. Sci. 25. 1951, 32—37.
- Kamp, H. J.**, Beobachtungen über die Biologie des Eichensplintkäfers, *Scolytus intricatus* Rtz. Anz. Schädl.kunde 24. 1951, 85.
- Kamp, H. J.**, Zur Kenntnis von *Phloeosinus thujae* Perr. Allg. Forst- u. Jagd-Ztg. 123. 1951, 26—27.
- Kamp, H. J.**, Zwei neue Fraßpflanzen der Gattung *Pityokteines* Fuchs. (Col.). [Cedrus atlantica et Larix leptolepis] Ent. Ztschr., Frankfurt a. M., 60. 1951, 157—159.
- Koch, W.**, Großer Birkensplintkäfer. [Eccoptogaster ratzeburgi] Allg. Forstztzchr. 6. 1951, 149, 1 Abb.
- Kraemer, G.-D.**, Zur Lebensweise von *Phloeosinus thujae* Perris (Col. Ipidae), dem Wacholder- und Thuja-Borkenkäfer. Forstwiss. Centralbl. 70. 1951, 247—253, 2 Abb.
- Kuhn, W.**, Bestimmungstabelle der wichtigsten schweizerischen Borkenkäferarten. Schweiz. Forstkal. 46. 1951, 160—168, Abb.
- Lantelmé, W.**, Am Ende der Borkenkäferkalamität (*Ips typographus*). Forstl. Mitt. 4. 1951, 2—4.
- Lekander, B.**, Nyare bekämpningsmetoder mot granbarkborren. (Neuere Methoden der Bekämpfung von *Ips typographus* L.) Norrlands Skogsvårdsförb. Tidskr. 1951, 9—22, 3 fig.
- Merker, E.**, und **Müller, H.**, Die Abhängigkeit des Fraßes der Fichtenborkenkäfer vom Bodenklima. Allg. Forst- u. Jagd-Ztg. 123. 1951, 16—20, 2 Abb.
- Merker, E.**, und **Sattler, G.**, Überblick über Lebensweise und Bekämpfungsmöglichkeit des Fichtenbastkäfers. [Hylastes cunicularius] Schädlingsbekämpfung 43. 1951, 82—85, 2 Abb.
- Metelmann, R.**, Versuche mit Hexa-Streichmitteln an Giftfangbäumen gegen den Fichten-Borkenkäfer. Anz. Schädl.kunde 24. 1951, 17—19, 3 Abb.
- Murayama, (On the bark beetle of Lauan timber and the control measures against it.)** Jap. J. Plant Prot. 19. 1951, 22—32.
- Nikitiuk, A. I.**, (Predatory and parasitic insects as regulators of the damaging activity and spread of bark beetles in a coniferous forest.) Obsch. Ispyt. Prirody Bull. (Sect. biol.) USSR. 56. 1951, nr. 5, p. 58—63.
- Nosek, J.**, (Biocenological problems of the bark beetle fauna of Jeseniky-Mountains.) Vysoká Šk. Zeměd. Lesn. Sborn., Brünn, 3/4. 1951, 103—117.
- Parfentjew, W. J.**, (Borkenkäfer an Picea schrenkiana.) (Ent. Übersicht), Moskau u. Leningrad, 31. 1951, 428—434, 6 Abb.
- Perry jr., J. P.**, Pine bark beetles of central Mexico. Unasylva 5. 1951, 158—165.
- Prell, H.**, Kampf dem Borkenkäfer. Einführung in die Kenntnis von Lebensweise und Bekämpfung des Buchdruckers oder Großen Fichtenborkenkäfers (*Ips typographus* L.). Neumann-Verlag, Radebeul u. Berlin 1951. 3., erg. Aufl., 56 S., 14 Abb.
- Ryle, G. B.**, *Ips typographus* L., and *Ips sexdentatus* Boern. (Col., Scolytidae) with a note on *Gastropacha* (i.e. *Dendrolimus*) pini Ochsh. (Lep., Lasiocampidae). Ent. monthly Mag., London, 87. 1951, 179.
- Ryvkín, B. V.**, (Causes for the development of bark beetle nidi in Vialovskii State Forest Reservation.) Priroda (russ.) 40. 1951, nr. 8, p. 80—81.
- Schedl, K.**, Vorbeugungsmaßnahmen gegen den Fichtenborkenkäfer nach den Schnee- und Lawinenschäden 1950/51. Österr. Forst- u. Holzw. 6. 1951, 190—192, 2 Abb.
- Schedl, K. E.**, Achtung, Borkenkäfer! Kärntner Bauer 101. 1951, 270—271.
- Schedl, K. E.**, Bestimmungstabellen der paläarktischen Borkenkäfer. T. V. Tribus Xyloterini. Mitt. forstl. Bundes-Versuchsanst. Maria-brunn 47. 1951, 74 bis 100, 10 Abb.
- Schedl, K. E.**, Chilenische Borkenkäfer. I (Coleoptera Scolytoidea). Rev. Chilena Ent. 1. 1951, 15—22.
- Schimitschek, E.**, Der Ernährungs- und Überwinterungsfraß des *Phloeosinus bicolor* Brull. (Ph. aubei Perris). Mitt. forstl. Bundes-Versuchsanst. Maria-brunn 47. 1951, 101, 1 Abb.
- Thatcher, T. O.**, Notes on bark beetles of the intermountain area (Coleoptera: Scolytidae). J. Colorado-Wyoming Acad. Sci. 4. 1951, nr. 3, p. 79—80.
- Tunblad, B.**, (Two dangerous bark borers.) [Anisandrus dispar, Scolytus rugulosus] Sver. pomol. För.fruktod-laren 5/6. 1951, 137—140.
- Ulrich, A.**, Am Ende der Borkenkäferkalamität. Forstl. Mitt. 4. 1951, 71—73.
- Ulrich, A.**, Übersicht der hessischen Fichtenborkenkäfer-Schäden 1945—1950. Forst u. Holz 6. 1951, 234—235.
- Vrydagh, J. M.**, Faune entomologique des bois au Congo Belge. [Scolytus bostrychides] Bull. agric. Congo belge 42. 1951, 65—90.
- Wellenstein, G.**, Die Massenvermehrung der Fichten- und Tannenborkenkäfer in Österreich, Süd- und Westdeutschland. 9. int. Congr. Ent., Amsterdam, 1951, IX, 9—10.
- Whiteside, J. M.**, The western pine beetle, a serious enemy of ponderosa pine. [Dendroctonus brevicornis] U.S. Dept. Agric. Circ. nr. 864. 1951, 10 p., 7 fig., 1 tab.

- Willmann, H.**, Studien über die durch den großen Fichtenborkenkäfer (*Ips typographus* L.) im Forstamt Oderhaus/Harz von 1943 bis 1949 hervorgerufene Kalamität. Diss. Freiburg 1951. 106 Schreibmasch.-S.
- Woelfle, M.**, Kampf dem Borkenkäfer! Dieses Jahr muß die Borkenkäfer-Gefahr endgültig beseitigt werden. Landw. Wochenbl. München 141. 1951, Nr. 16 u. 26 (Beil. Bauernwald 5. 1951, 14, 23).
- Woelfle, M.**, Schäden durch Borkenkäfer, Dürre und Hallimasch in den Jahren 1946 mit 1950 in Bayern. Allg. Forstsztschr. 6. 1951, 169—173.
- The black turpentine beetles** (*Dendroctonus terebrans*) can kill (pine) trees. AT-FA. J. 13. 1951, nr. 9, p. 7, 14.
- Borkenkäferkalamität** in Nordrhein-Westfalen 1947 bis 1950. Landw. Wochenbl. Westf. u. Lippe 108 A. 1951, 1097.
- Lepidoptera**
- Allan, P. B. M.**, A note on *Hyloicus pinastri* L. Ent. Rec., J. Variation 63. 1951, 86—87.
- Androić, M.**, (Essais de traitement aérien contre les chenilles de la processionnaire du pin en Croatie.) Plant Prot., Beograd, nr. 6—7. 1951, 126—132.
- Basham, J. T.**, The pathological deterioration of balsam fir killed by the spruce budworm. [*Choristoneura fumiferana* on *Abies balsamea*] Pulp Paper Mag. Canada 52. 1951, 120—122, 125—126, 128, 130, 133—134, 25 fig. — Woodl. Rev., Ottawa, 1951, 1—16, 5 fig.
- Bergold, G. H.**, The polyhedral disease of the spruce budworm, *Choristoneura fumiferana* (Clem.) (Lepidoptera: Tortricidae). Canad. J. Zool. 29. 1951, 17—23.
- Bergold, G. H.**, and **McGugan, B. M.**, Virus diseases of the forest tent caterpillar. Canada Dept. Agric. Bi-monthly Progr. Rept., Div. Forest Biol., 7. 1951, 2—3.
- Bleiweis, S.**, (Un essai de traitement aérien contre la processionnaire du pin.) Plant Prot., Beograd, nr. 6—7. 1951, 133—140.
- Bowden, W. D.**, *Lymantria* (i.e. *Porthetria*) dispar at Margate. Entomologist 84. 1951, 60.
- Brauns, A.**, Holzbohrende Kleinschmetterlingsraupen als nutzholzentwertende Schädlinge in Weich- und Harthölzern. Norddtsch. Holzw. 5. 1951, Nr. 45, S. 7.
- Chugunin, I. V.**, (On measures for eradicating mass outbreaks of gypsy moth (*Porthetria dispar*). Lesn. Khoz. (russ.) 4. 1951, nr. 5, p. 91—93.
- Cramer, H. H.**, Die geographischen Grundlagen des Massenwechsels von *Epiblema tedella* Cl. Ein Beitrag zur Autökologie des Fichtennestwicklers. Forstwiss. Centralbl. 70. 1951, 42—53, 2 Abb.
- Da S. R. Goes, E.**, (New methods for the control of *Lymantria* (i. e. *Porthetria*) dispar in Portugal.) Bol. Junta Nac. Cortiça (Portugal) 13. 1951, 320—321.
- De Bros, E.**, Contribution à la connaissance des Lépidoptères du bois de Finges. Bull. Murithienne Fasc. 68. 1951, 85—92.
- Fice, K.**, a **Vaclav, V.**, Gubar u Bosni i Hercegovini (*Lymantria dispar*). (Der Schwammspinner in Bosnien und Herzegowina.) Inst. Naučna Šumarska Istrazivanja Godišnjak (Jahrbuch) 1. 1951, 37—79.
- Foltin, H.**, Etwas über die Biologie von *Lasiocampa quercus* L. Ztschr. Wiener ent. Ges. 36. 1951, 52—54.
- French, R. A.**, *Lepidoptera* at light in a Hertfordshire wood in July, 1949. Entomologist 84. 1951, 49—55.
- Gäbler, H.**, Beobachtungen über den Kiefernprozessionspinner (*Cnethocampa pinivora* Tr.). Ztschr. Pfl.-krankh. 58. 1951, 92—96, 4 Abb.
- Gäbler, H.**, Kritische Ei- und Puppenzahlen von Nonne, Kiefernspinner und Kieferneule an Kiefer. Anz. Schädl.kunde 24. 1951, 140—143.
- Gäbler, H.**, Über den richtigen Zeitpunkt einer Nonnenbestäubung. Nachr.bl. dtsh. Pfl.schutzd., Berlin, NF. 5. 1951, 54—58.
- Gradojević, M.**, (La première application de l'aviométhode en Yougoslavie.) [*Lymantria monacha*] Plant Prot., Beograd, nr. 6—7. 1951, 30—41, 4 tab.
- Gregor, F.**, a **Povolný, D.**, Naši příslušníci rodu *Lithocolletis* Hb. na *Acer* a *Alnus*. (The members of *Lithocolletis* Hb. mining *Acer* and *Alnus*.) Ent. Listy (Folia ent.), Brno, 13 (1950). 1951, 129—144, 7 fig., 3 tab.
- Grisson, P.**, **De Sacy, S. R.**, et **Galichet, P.**, La processionnaire du pin (*Thaumetopoea pityocampa* Schiff.). Moeurs, dégâts, moyens de lutte. Rev. Zool. agric., appl. 50. 1951, nr. 1, p. 1—9; nr. 2, p. 4—6; nr. 3, p. 26—33.
- Groschke, F.**, Nonnenbekämpfung mit neuzeitlichen Mitteln. Ztschr. angew. Ent. 33. 1951, 359—368.
- Haggett, G.**, Further observations on *Zeuzera pyrina* L. Entomologist 84. 1951, 31—33.
- Henson, W. R.**, Mass flights of the spruce budworm (*Choristoneura fumiferana*). Canad. Ent. 83. 1951, 240.
- Hesselbarth, G.**, Das Gespenst. [*Dicranura vinula*] Unser Wald 4. 1951, Nr. 10, S. 13.
- Hoffmann, A.**, La processionnaire du chêne. Défense Végétaux nr. 3. 1951, 7.
- Houtman, G.**, (*Epinotia aceriana* Dup.) [an *Populus*] Fruitteelt 41. 1951, 240.

- Hrubý, K.**, (Colour variation in *Dendrolimus pini* L. (Lep. Lasiocamp.)) Časopis českosl. Společn. Ent. (Acta Soc. ent. Bohem.), Praha, 48. 1951, 127—131.
- Hyde, G. E.**, A rare woodland butterfly (*Strymon pruni*). Country Life, London, 109. 1951, 1889.
- Ilijinskij, A. I.**, Skrebok dlja sbora jajzkladok neparnogo šelkopoprjada. (Schabeisen für das Sammeln der Eigelege des Schwammspinners.) Lesn. chos-jaistwo 4. 1951, nr. 12, p. 77—78.
- Judd, W. W.**, The European pine shoot moth, *Rhyacionia buoliana* Schiff., on Austrian pine (*Pinus nigra*) at Hamilton, Ontario. J. New York ent. Soc. 59. 1951, 241—243.
- Kasanskij, A. N.**, Beresowaja pjadeniza. (Der Birken-spanner.) Les i step 3. 1951, 88.
- Kielczewski, B.**, (Observations on the mass occurrence of *Lymantria monacha* L. in 1947, 1948 and 1949 on the ground of the theory of mass occurrence.) Polskie Pismo Ent. 20 (1950). 1951, 37—54.
- Klinkowski, M.**, und **Nolte, H.-W.**, Knospenwickler als Schädlinge der Eberesche. [Argyroplote variegana, *Tmetocera ocellana*] Nachr.bl. dtsh. Pfl.schutzd., Berlin, NF. 5. 1951, 212—213, 2 Abb.
- Kruel, W.**, Das Schadauftreten der Nonne im ost-deutschen Kieferngebiet 1947—1950. [Lymantria monacha] Verh. dtsh. Ges. angew. Ent. e. V. 11. Mitgl.versamml. München 1949. 1951, 157—170.
- Lempke, B. J.**, A contribution to the genetics of *Lasiocampa quercus* L. Ent. Rec., J. Variation 63. 1951, 200—203.
- Lindsten, A.**, und **Wright, K. H.**, Report on the 1949 western Oregon spruce budworm (*Choristoneura fumiferana*) control project. Oregon State Board Forestry 1951, 71 p.
- Lutz, H. J.**, Damage to trees by black bears in Alaska. J. Forestry 49. 1951, 522—523.
- McLaurin, A. M.**, Larva of *Lasiocampa quercus* L. race *callunae* attacked by *Carabus problematicus* (Col. Carabidae). Ent. Rec., J. Variation 63. 1951, 84.
- McLeod, J. H.**, Notes on the lodgepole needle miner, *Recurvaria milleri* Busck (Lepidoptera: Gelechiidae), and its parasites in western North America. Canad. Ent. 83. 1951, 295—301, 1 tab. geogr.
- Morris, R. F.**, und **Bishop, R. L.**, A method of rapid forest survey for mapping vulnerability to spruce budworm (*Choristoneura fumiferana*) damage. Forestry Chron. 27. 1951, 171—178.
- Müller-Kögler, E.**, Über eine Erkrankung der Kiefern-spanner-Altraupen und -Vorpuppen. [Bac. fusiformis an *Bupalus piniarius*] Ztschr. Pfl.krankh. 58. 1951, 404—410.
- Münzberg, H.**, Ist die Bekämpfung des Eichenwicklers mit Erfolg möglich? Landw. Wochenbl. Westf. u. Lippe 108 A. 1951, 446.
- Neugebauer, W. O.**, Das Problem der Indifferenz von Forstinsekten, unter besonderer Berücksichtigung der Ökologie des Kiefertriebwicklers. [Rhyacionia buoliana] Verh. dtsh. Ges. angew. Ent. e. V. 11. Mitgl.versamml. München 1949. 1951, 103—110.
- Nonveiller, G.**, La lutte contre les chenilles de *Lymantria* (i.e. *Portheia*) dispar L. par avion dans les forêts de Yougoslavie en 1949. Int. Congr. Crop Prot. Proc. 2 (1949). 1951, 304—314.
- Pact, J.**, À propos de la nomenclature de deux genres de microlépidoptères nuisibles aux essences forestières. [Crobrylophora Kennel, Eucdestis] Rev. franç. Lépidoptérologie 13. 1951, 127.
- Pavel'eva, M. S.**, (Zum Problem der Umwandlung der Bivoltiniform des Eichenspinners in die Monovoltiniform.) Dokl. Vsesoiuzn. Akad. Sel'skhoz. Nauk 16. 1951, nr. 3, p. 23—28.
- Pepe, G.**, La processionaria del pino. (Thaumetopoea pityocampa Schiff.) Monti e Boschi nr. 2. 1951.
- Peterson, L. O. T.**, Development and control of the ash borer (*Podosesia syringae fraxini*) in the Prairie Provinces. Canada Dept. Agric., Sci. Serv., Div. Forest Biol., 1951, 4 p.
- Rennels, R. G.**, The Zimmerman pine moth (*Dioryctria zimmermani* (Grote)), a potentially serious enemy of pine plantations in Illinois. Illinois agric. Exp. Stat. Dept. Forest. Forestry Note 30. 1951, 3 p.
- Roepeke, W. K. J.**, *Lophopteryx capucina* L. [op. Amerikanse eik] Ent. Ber. 13. 1951, 217.
- Roepeke, W. K. J.**, *Tischeria complanella* Hb. [op. Amerikanse eik] Ent. Ber. 13. 1951, 240.
- Rudnew, D. F.**, Opređenje jajzeprodukci neparnogo šelkopoprjada po kukolkam. (Bestimmung der Eiproduktion des Schwammspinners nach den Puppen.) Sool. Šurnal 30. 1951, 229—237.
- Rudolf, P. O.**, Red pine and the European pine-shoot moth (*Rhyacionia buoliana*) in southern Michigan. Michigan Acad. Sci. Arts, Let. Pap. 35 (1949). 1951, 61—67.
- Rutter, R. J.**, Catch the caterpillars with their tents down. [Malacosoma disstria] Family Herald Wk. Star 82. 1951, nr. 21, p. 4.
- Ryvkin, B. V.**, (Some problems of the biology of the tachinid, *Sturmia inconspicua* Meig. (Diptera, Larvivoridae) and its economic importance (as parasite of *Dendrolimus pini* caterpillars).) Dokl. Akad. Nauk USSR. 76. 1951, 755—758.
- Schedl, K. E.**, und **Schedl, Ch.**, Der Fichtennestwickler (*Epiblema tedella* Cl.). Eigenverlag Landesforstinsp. Kärnten (Komm.verlag Fromme & Co., Wien) 1951. 136 S., 42 Abb., 1 Karte.

Schmidt, H., Tierische Holzschädlinge: *Cossus cossus* L.
Holz als Roh- u. Werkstoff 9. 1951, 473—474.

Schnaider, Z., Rolnice i ich zwalczanie. (Die Eulen und ihre Bekämpfung.) Warschau 1951. 30 p. (Ref. in Las Polski 36. 1952, nr. 4, p. 48.)

Soenen, A., Biologische Beiträge über den Frostspanner. [Operophtera brumata L.] Höfchen-Briefe, Leverkusen, 4. 1951, 3—19, 6 Abb.

Spaie, I., Gypsy moth (*Lymantria dispar* L.) control by means of spraying from aircraft. U. N. sci. Conf. Conserv., Util. Resources Proc. 5. 1951, 66—70.

Szmidt, A., Zywiczanecka modrzewiowka, grozny szkodnik modrzewia. (*Laspeyresia zebeana* Rtz. — ein gefährlicher Lärchenschädling.) Las-Polski 35. 1951, nr. 1, p. 15—18.

Thielmann, K., Nonnenbekämpfung 1950 im Forstamt Weiden (Opf.). Erfolgreicher Einsatz insektizider Nebel. Allg. Forsttschr. 6. 1951, 49—51, 5 Abb.

Tirelli, M., (New control methods for the pine processionary moth (*Thaumetopoea pityocampa* Schiff.)) Riv. Fitosanit. (ital.) 2. 1951, nr. 5, p. 17—18.

Trouvelot, B., Berthon, R., Biliotti, E., et Grison, P., Problèmes soulevés par la présence prolongée de la processionnaire du chêne (*Thaumetopoea processionaria* L.) dans la région parisienne. Compt. rend. Acad. agric. France 37. 1951, 311—314.

Tryon, E. H., European pine shoot moth (*Rhyaciona buoliana*) attacks red pine plantations. West Virginia agric. Exp. Stat. Mimeogr. Circ. 67. 1951, 12 p.

Uchalin, M. M., da Strokow, W. W., Drewesniza wyjedliwaja. (Das Blausieb — *Zeuzera pyrina* L.) Les i step 3. 1951, 83—84.

White, E. B., *Lasiocampa quercus* Linn. var. *callunae* Palmer in North Devon. Ent. Rec., J. Variation 63. 1951, 234—235.

Zappe, M. P., The orange-striped oak worm, *Anisota senatoria* A. and S. Connecticut Arborist 5. 1951, nr. 2, p. 6—7.

Zinna, G., Su un attacco di *Dioryctria splendidella* H. S. in provincia di Benevento. Nota preliminare. [an *Pinus halepensis*] Boll. Lab. Ent. agr. »Filippo Silvestri«, Portici, 10. 1950—51, 98—107, 5 fig.

Flugzeuge gegen den Fichtenwickler, Maultiere gegen Waldbrände. Neue Verfahren zum Schutz der Wälder. Int. Holzmarkt, Wien, 42. 1951, 11—12, 4 Abb.

Forest tent caterpillar (*Malacosoma disstria*) control. Minnesota Off. State Ent. Circ. 152. 1951, 3 p.

Minnesota 1951 forest tent caterpillar (*Malacosoma disstria*) infestation. Minnesota Off. State Ent. Circ. 153. 1951, 1 p.

Diptera

Brauns, A., Zweiflüglerlarven als Holzschädlinge? Norddtsh. Holzw. 5. 1951, Nr. 15, S. 4.

Steyskal, G. C., The dipterous fauna of tree trunks. Michigan Acad. Sci. Arts, Let. Pap. 35. 1951, 121—134.

Hymenoptera

Benjamin, D. M., Host-site selection by the red-headed pine sawfly (*Neodiprion lecontei*). Proc. amer. Assoc. econ. Ent., North. Centr. States Branch, 6. 1951, 80—81.

Blüthgen, P., Zur Brutbiologie von *Euodynerus* (*Pareuodynerus*) *posticus* (H.-Sch.) (innumerabilis [Sss.]) (Hym., Vespidae, Eumeninae). Anz. Schädl.-kunde 24. 1951, 153—154.

Bradley, G. A., Notes on the parasitism of the yellow-headed spruce sawfly, *Pikonema alaskensis* (Roh.) (Hymenoptera: Tenthredinidae). Canad. Ent. 83. 1951, 130—131.

Brauns, A., Das Auftreten von Holzwespen in verbaute Holz. Norddtsh. Holzw. 5. 1951, Nr. 22, S. 6.

Brauns, A., Das Auftreten von Polyedrose bei einer Forstinsektenart im Winterlager. [*Cephaleia alpina*] Nachr.bl. dtsh. Pflschutzd., Braunschweig, 3. 1951, 58—59, 1 Abb.

Breny, R., Un ravageur occasionnel de nos pins, *Neodiprion sertifer* Geoffr. Bull. Hortic. 6 (n. ser.). 1951, 35—37.

Butcher, J. W., Recent investigations on the ecology of the larch sawfly (*Pristiphora erichsonii*). Proc. amer. Assoc. econ. Ent., North. Centr. States Branch, 6. 1951, 77—78.

Elton, E. T. G., De bestrijding van de gewone dennbladwesp (*Diprion* [*Lophyrus*] *pini* L.) met chemische middelen. Tijdschr. nederl. Heidemaatsch. 1951, 109—117, 4 p.

Ferrière, Ch., A new genus of Pteromalidae (Hym.), parasitic on the alder wood-wasp, *Xiphydria camelus* L., found in Norfolk, England. Ent.'s monthly Mag. 87. 1952, 322—324, 2 fig.

Fisher, R. C., A note on *Sirex* wood wasps. Timber News Machine Woodworker 59. 1951, 332—333, 3 fig.

Francke-Grosmann, H., Über eine bemerkenswerte Pappelblattwespe, *Stauronema compressicornis* (Fabr.) Benson. Ztschr. Pflkrankh. 58. 1951, 20—25, 5 Abb.

Fransen, J. J., Onderzoekingen omtrent de gevoeligheid van de larven van de lariksbladwesp *Lygaeonematus laricis* HTG. voor stuifpoeders. Nederl. Bosbouw-Tijdschr. 23. 1951, nr. 2, p. 33—34.

- Grundmann, A. W.**, Notes on *Andricus pilula* Bassett (Hymenoptera, Cynipidae), producing a vernal gall on *Quercus gambelii* Nuttall in northern Utah. J. Kansas ent. Soc. 24. 1951, 28—30.
- Guillemain, R.**, et **Alibert, H.**, Nouveau procédé de lutte contre les fourmis arboricoles. [Tapinoma nigerrimum, T. simrothi] Terre marocaine 25. 1951, nr. 255, p. 48—49.
- Hadlington, P.**, Siricid wasps (wood wasps). New South Wales Forestry Comm., Div. Wood Technol., Techn. Notes 5. 1951, nr. 2, p. 16—21.
- Heqvist, K. J.**, Se upp med tallkultursäckpinnarstekeln på hyggena! (Achtet auf die Kiefern-Rotsackblattwespe!) Skogen, Stockholm, 38. 1951, 170, 3 fig.
- Heron, R. J.**, Experimental starvation of larch sawfly (*Pristiphora erichsonii*) larvae. Manitoba ent. Soc. Proc. 7. 1951, 16—17.
- Hesselbarth, G.**, Ein Feind der Kiefernwälder; aus dem Leben der Kiefernblattwespe (*Lophyrus pini*). Unser Wald 4. 1951, Nr. 10, S. 12—13.
- Kamp, H. J.**, Die häufigsten Holzwespenarten (Siricidae) Württembergs und ihre technische Bedeutung für die Holzwirtschaft. Holz-Zentralbl. 77. 1951, 277.
- Kochler, W.**, Fauna mrówek Pienińskiego Parku Narodowego. (Die Ameisenfauna des Pieniner Nationalparks.) Państwowe wydawnictwo Rolnicze i Leśne, Warszawa 1951. 55 p.
- Kraegen, F. F.**, Evidence presented (to the Sirex Committee). [Sirex wood wasp and *Pinus radiata*] Austr. Timber J. 17. 1951, 810, 813—814, 816.
- Lejeune, R. R.**, Some ecological factors governing populations of the larch sawfly, *Pristiphora erichsonii* (Htg.). Canad. Ent. 83. 1951, 152—156.
- Maksimovic, M.**, (Apparition de *Diprion pini* L. à Maljen.) Sumarstvo 4. 1951, 261—262.
- Marmontov, D.**, (Traitement aérien contre *Diprion pini* L. sur le Maljen.) Plant Prot., Beograd, nr. 6—7, 1951, 168—173.
- Morris, R. F.**, The larval Elateridae of eastern spruce forests and their role in the natural control of *Gilpinia hercyniae* (Htg.) (Hymenoptera: Diprionidae). Canad. Ent. 83. 1951, 133—147, 1 fig.
- Muir, W. D.**, *Pinus* plantations in N.S.W. and the possible damage to these areas from *Sirex* spp. attack. Austr. Timber J. 17. 1951, 795, 797—798, 800.
- Peterson, L. O. T.**, Control of the yellow-headed spruce sawfly in the agricultural areas of the Prairie Provinces. Proc. Canada Dept. Agric., Div. Ent., Publ. nr. 120 (1950). 1951.
- Reeks, W. A.**, and **Barter, G. W.**, Growth reduction and mortality of spruce caused by the European spruce sawfly, *Gilpinia hercyniae* (Htg.) (Hymenoptera: Diprionidae). Forestry Chron. 27. 1951, 140—156, 4 fig.
- Regel, F.**, Lebensweise und Bekämpfung der Douglasenschlupfwespe (Megastigmus spermotrophus). Allg. Forstztzsch. 6. 1951, 508—509, 2 Abb.
- Roberti, D.**, (A sawfly on pine (*Acantholyda nemoralis* Thoms.) Lab. Ent. Agr. »Filippo Silvestri« Bol. 10 (1950). 1951, 25—85.
- Sacharow, P. S.**, Sinij rogochwoost — wreditel sosny stepnych lesnitschestw. (*Paururus juvencus* L. — ein Schädling der Kiefer in Steppenforstrevieren.) Priroda nr. 8. 1951, 47—49.
- Schaffner jr., J. V.**, The redheaded pine sawfly (*Neodiprion lecontei*). U.S. Dept. Agric. Leaflet 296. 1951, 4 p.
- Schimitschek, E.**, Die Bedeutung des Befalles von Nutzholz durch Holzwespen und seine Verhütung. [Sirex spp.] Int. Holzmarkt 42. 1951, Nr. 24, S. 2—3.
- Schimitschek, E.**, Über die Polyederkrankheit der Fichten-Gespinstblattwespe *Lyda hypotrophica* Htg. (*Cephalcia abietis* L.). Mitt. forstl. Bundes-Versuchsanst. Mariabrunn 47. 1951, 70—73, 1 Abb.
- Schread, J. C.**, The birch leaf miner (*Fenusa pusilla*). Connecticut agric. Exp. Stat. Spec. Bull. (Ent.) 41. 1951, 1 p.
- Tirelli, M.**, (Observations on the biology of *Acantholyda nemoralis* in the pine plantings of Abruzzi, and control methods.) Riv. Fitosan. (ital.) 2. 1951, nr. 4, p. 14—23.
- Virnik, F.**, (Die Fichtenblattwespe (*Nematus abietinus*) und unsere Erfahrungen in ihrer Bekämpfung.) Gozdarski Vest. (serbo-croat.) 9. 1951, 209—220.
- Voûte, A. D.**, Bestrijding van de dennenbladwesp op de Veluwe en Overijsel. [Diprion pini] T.N.O.-Nieuws 6. 1951, afl. 11 (nr. 67).
- Wajnschtein, B. A.**, Kekologii neparnogo schelkoprijada. (Zur Ökologie des Schwammspinners.) Zool. Zhurn. 30. 1951, 238—242.
- Webb, F. E.**, and **Forbes, R. S.**, Notes on the biology of *Pleroneura borealis* Felt (Xyelidae: Hymenoptera). [Abies balsamea] Canad. Ent. 83. 1951, 181—183.
- Zakharov, P. S.**, (*Paururus juvencus* — pest of *Pinus* in the steppe forest plantations.) Priroda (russ.) 40. 1951, nr. 8, p. 47—49.
- De gewone dennenbladwesp** (*Diprion pini* L. — *Lophyrus pini* L.) Tijdschr. nederl. Heidemaatsch. 62. 1951, 17—18, fig.
- (The pine sawfly (*Diprion pini*) pest in 1951.) Tijdschr. nederl. Heidemaatsch. 62. 1951, 343—344.

Acari

- Boyce, H. R.**, and **LeRoux, E. J.**, A note on dipterous predators of the European red mite, *Metatetranychus ulmi* (Koch). Canad. Ent. 83. 1951, 332.
- Gregson, J. D.**, Notes on the spring activity of the Rocky Mountain wood tick, *Dermacentor andersoni* Stiles. Proc. ent. Soc. brit. Columbia 47. 1951, 4—7.

Praport, M., (Collembola collected in the forest-district Lobodno (near Czeszochowa, Poland).) Fragmenta Faunistics (polish) 6. 1951, 135—148.

Schread, J. C., Spruce mite (*Paratetranychus ununguis*) control. Connecticut agric. Exp. Stat. Circ. 180. 1951, 11 p.

Severin, H. C., Hackberry leaf galls; cause — control. [produced by Psyllidae or Diptera (Itonididae)] South Dakota Farm, Home Res. 2. 1951, 40—41.

Vertebrata

Abelenzew, W. I., Letutschie myschi, ich polsa w borbe s wredite jami polesaschtschitnyh lesonasashdenij. (Fledermäuse, ihr Nutzen für die Bekämpfung der Schädlinge in den feldschützenden Waldanpflanzungen.) Lesn. chosjaistwo 4. 1951, nr. 11, p. 64—67.

Adams, L., White-tailed deer browsing on natural conifer seedlings. U.S. Forest Serv. North. Rocky Mountain Forest, Range Exp. Stat. Res. Note 105. 1951, 3 p.

Aufseß, A. v., Nochmals: Schutz von Eichelsaaten durch »Morkitz«. Allg. Forstsztschr. 6. 1951, 501.

Bašenina, N. V., (In regard to the nature of the destructive activity of the small marmot and several other rodents in the oak plantations of Stalingrad region.) Zool. Zhurn. 30. 1951, 193—206.

Brand, D., Red squirrel damage to timber. Scot. Forestry 5. 1951, 89—90.

Bujakowitsch, N. G., Ondatra na krajnem sewero-wostoke Sojusa SSR. (Die Bisamratte im äußersten Nordosten der Sowjetunion.) Zool. Zhurn. 30. 1951, 279—285.

Delisle, R., La forêt ne doit pas servir de pâturage. Abeille et Érable 20 (ser. 2). 1951, 24.

Duschek, S., Die Wildfrage in der modernen Forstwirtschaft. Österr. Vierteljschr. Forstw. 92. 1951, 147—154.

Falkenschtejn, B. J., Saschtschita lesnych nasashdenij ot suslikow. (Schutz der Waldbestände gegen Zieselmäuse.) Les i step 3. 1951, nr. 2, p. 83—86.

Fritz, E., Bear and squirrel damage to young redwood. J. Forestry 49. 1951, 651—652.

Gayler, Neue Waldschädlinge. [Menschen] Holz-Zentralbl. 77. 1951, 1505—1506.

Geete, E., (Can damage to coniferous forest by elk be prevented? Norwegian observations on a current problem.) Skogsägaren (swed.) 27. 1951, 186—187, 189.

Grießenbeck, v., Schutz von Eichelsaaten gegen Eichelhäher. Allg. Forstsztschr. 6. 1951, 381.

Hahn, K., Zu »Schutz von Eichensaaten gegen Eichelhäher«. Forst u. Holz 6. 1951, 252.

Horsfall jr., F., Pine mouse control by ground sprays. Virginia J. Sci. 2 (n. ser.). 1951, 295.

Hufnagl, H., Schützt eure Waldkulturen! [Wildschaden in Österreich] Bauer 4. 1951, Nr. 39, S. 2.

Jameson jr., E. W., Local distribution of white-footed mice, *Peromyscus maniculatus* and *P. boyleyi*, in the northern Sierra Nevada, California. J. Mammal. 32. 1951, 197—203.

Kjeldstad, S. K., (Can damage by elk in coniferous forest be prevented?) Skogbrukeren 26. 1951, 122—123 (Excerpt).

Kjeldstad, S. K., (Forest damage by elk and its economic importance.) Skogeieren 38. 1951, 143, 146—148.

Klemm, M., Das Schwarzwild und die biologische Bekämpfung unserer Forstschädlinge. Nachr.bl. dtsh. Pfl.schutzd., Berlin, NF. 5. 1951, 231—233.

Krahl-Urban, Schutz von Eichensaaten gegen Eichelhäher. Forst u. Holz 6. 1951, 121.

Lewrowskij, A. A., **Mironow, N. P.**, a **Resinko, D. S.**, Widowoj sostaw rasprostraneniya i tschislennosti grysunow Jergenej w mestach sakladki gosudarstwennych lesopolos. (Artenzusammensetzung, Verbreitung und Anzahl der Nager der Jergenhöhen in den Anlagen der staatlichen Waldstreifen.) Zool. Zhurn. 30. 1951, 35—43.

Lykke, L., (What do we know about forest damage by elk?) Tidsskr. Skogbruk 59. 1951, 157—159. — Skogen, Oslo, 16. 1951, 45—47.

Maki, T. E., and **Mann, W. F.**, Some effects of sheep grazing on longleaf pine. J. Forestry 49. 1951, 278—281, 3 fig.

Minutillo, C., Zur Frage erfolgreicher Wildverbiß- und Schälenschutzmittel. Allg. Forstztg., Wien, 62. 1951, 117.

Obraszow, B. W., Osnownye tscherty dejatelnosti myschewidnyh grysunow w nagornoj dubrawe. (Grundlegende Merkmale für die Tätigkeit von mäuseartigen Nagern in bergigen Eichenwäldern.) Trudy Akad. Nauk USSR. Inst. Lesa 7. 1951, 199—209.

Olthuis, W., (Defence against rabbits.) Nederl. Boschbouw-Tijdschr. 23. 1951, 174.

Ramakrishnan, S. P., and **Prakash, S.**, Susceptibility of the Indian garden squirrel (*Sciurus palmarum*) to *Plasmodium berghei* and its asexual periodicity. Nature, London, 167. 1951, 533.

Rauh, G., Denkt rechtzeitig an die Koppeleinzäunung! Allgäuer Bauernbl. 19. 1951, 158—159.

Röhrig, Wildschaden im Walde und seine Verhütung. Hannov. land- u. forstw. Ztg. 104. 1951, 1135—1136.

- Shake, Zu** »Schutz von Eichensaatn gegen Eichelhäher«. Forst und Holz 6. 1951, 188.
- Sittig, Zu** »Unsere Wildverbißmittel«. (A. F. 44/1951.) Allg. Forstztzshr. 6. 1951, 538—539.
- Stassen, Wald** über Jagd. Forstl. Mitt. 4. 1951, 113—114.
- Steinbrenner, E. C.**, Effect of grazing on floristic composition and soil properties of farm woodlands in southern Wisconsin. J. Forestry 49. 1951, 906—910, 3 fig.
- Stroganowa, A. S., a Judin, K. A.**, Susliki i sajzy kak wrediteli gnesdowych posewow duba w Sawolshje. (Zieselmäuse und Hasen als Schädlinge der Eichen-nestersaatn im Wolgagebiet.) Zool. Zhurn. 30. 1951, 106—109.
- Strokow, W. W.**, Susliki — slejschije wragi polesasch-tschitnogo lesoraswedenija. (Zieselmäuse — die größten Schädlinge im feldschützenden Waldanbau.) Lesn. chosjaistwo 4. 1951, nr. 10, p. 76—78.
- Türcke, Untersuchungen** über das Schälenschutzmittel »Sinoxyl F«. Forst und Holz 6. 1951, 21—23.
- Unterberger, W.**, Wildschäden und Werbungskosten. Der Einfluß von Verbiß- und Schäl Schäden auf die Aufarbeitung schwachen Fichtenholzes. Forst-archiv 22. 1951, 11—13, 1 Abb.
- Woelfle, M.**, Unsere Wildverbißschutzmittel. Allg. Forst-ztschr. 6. 1951, 473.
- Ein neues Wildverbiß- und Schälenschutzmittel.** Österr. Forst- u. Holzw. 6. 1951, 230—231.
- Ovotran** for excellent mite control on woody plants. Down to Earth 7. 1951, nr. 1, p. 9.
- Unsere Wildverbißschutzmittel.** Allg. Forstztzshr. 6. 1951, 442—443.
- e. Ulmensterben**
Dutch elm disease
Maladie hollandaise des ormes
- Andrews, E. A., Strong, F. C., Janes, R. L., and Morofsky, W. F.**, Control of Dutch elm disease. [Ceratostomella ulmi] Michigan State Coll. agric. Ext. Bull. 308. 1951, 16 p.
- Bromley, S. W.**, Trees and tree insects, with special reference to the Dutch elm disease. J. New York ent. Soc. 59. 1951, 250—252.
- Caroselli, N. E., and Feldman, A. W.**, Dutch elm disease chemotherapy with Carolate and related formulations. Phytopathology 41. 1951, 6.
- Caroselli, N. E., and Feldman, A. W.**, Dutch elm disease in young elm seedlings. Phytopathology 41. 1951, 46—51, 2 fig.
- Carter, J. C.**, Dutch elm disease in Illinois. [Ceratostomella ulmi] Plant Dis. Repr. 35. 1951, 56.
- Conklin, J. G.**, Present status of Dutch elm diseases in New Hampshire. Forest Notes 15. 1951, 16—17.
- Feldman, A. W., and Caroselli, N. E.**, Soil and tree acidity in relation to susceptibility to Dutch elm disease. Phytopathology 41. 1951, 12.
- Frederick, L., and Howard, F. L.**, Comparative physiology and pathogenicity of eight isolates of Ceratostomella ulmi. Phytopathology 41. 1951, 12.
- Hurford, A. W.**, Latest developments in the Dutch elm disease control program. Connecticut Woodlands 16. 1951, 39—41.
- Lekander, B.**, Almsjukan — en ny farlig sjukdom på våra almar. (The Dutch elm disease — a new and dangerous disease for our elms.) Lustgården 1950—51. 1951, 72—78, 5 fig.
- Lekander, B., Mathiesen, A., och Rennerfelt, E.**, Om almsjukan samt råd och anvisningar för dess bekämpande. (On the elm disease, with advice and indications for its control.) Skogsforskningsinst., Stockholm, Flygbl. nr. 65. 1951, 8 p., 5 fig.
- Liming, O. N., Rex, E. G., and Layton, K.**, Effects of a source of heavy infection on the development of Dutch elm disease in a community. Phytopathology 41. 1951, 146—151, 1 fig.
- McCallum, A. W., and Stewart, K. E.**, Dutch elm disease. Canada Dept. Agric., Div. Forest. Biol., 1951.
- Marshall, R. P.**, Dutch elm diseases. Plants and Gard. 7. 1951, 131—135.
- Morofsky, W. F.**, The insect carriers of Dutch elm disease. [Scolytus multistriatus, Hylurgopinus rufipes] Michigan Forestry, Park Assoc. Ann. Meetg. 25. 1951, 3—4.
- Morris, C. L.**, The Dutch elm disease. Pennsylv. Forests, Waters 3. 1951, 52—55.
- Myers, W. L.**, »At the front« — Dutch elm disease in Detroit. Michigan Forest., Park Assoc. Ann. Meetg. 25. 1951, 4—6.
- Peace, T. R.**, The fight against elm disease. Country Life, London, 109. 1951, 1446—1447.
- Pomerleau, R.**, Rapport général des travaux effectués sur la maladie hollandaise de l'orme dans la province de Québec en 1949. Quebec Minist. Terres, Forêts, Serv. Forest., 1951, 38 p., 3 fig., 1 tab., 7 tab. geogr.
- Reed, L. L.**, The 1950 status of the Dutch elm disease in Canada. Ontario ent. Soc. 81th Ann. Rept. (1950). 1951, 103—104.
- Staples, M. W.**, The Dutch elm disease. Mega 11. 1951, nr. 3, p. 26—27, 30.
- Strong, F. C.**, The Dutch elm disease in Michigan. Michigan Forestry, Park Assoc. Ann. Meetg. 25. 1951, 1—3.
- Swingle, R. U.**, Dutch elm disease and control methods. Arborist's News 16. 1951, 56—58.

Went, J. C., Verslag van de onderzoekingen over de iepenziekte en andere boomziekten, uitgevoerd op het Phytopathologisch Laboratorium »Willie Commelin Scholten« te Baarn in 1950. (Report of the investigations on the elm disease and other tree diseases carried out at the Phytopathological Laboratory »Willie Commelin Scholten«, Baarn, during 1950.) [Ceratostomella ulmi] Meded. Inst. toegep. biol. Onderz. Natuur nr. 46. 1951, 16 p., 1 fig.

Wollermann, E. H., Control of Dutch elm disease and phloem necrosis in elms. [DDT] Proc. amer. Assoc. econ. Ent. north. Centr. States 6. 1951, 76—77 (Abstr.).

Dutch elm disease control. U. S. Bur. Ent., Plant Quar., Washington, 1951, 1 p.

New Jersey Department of Agriculture, Division of Plant Industry: Report of summer 1950 Dutch elm disease control survey. Shade Tree 24. 1951, nr. 7, p. 2—5.

Phytopathologisch Laboratorium »Willie Commelin Scholten« (Baarn): Verslagen over 1950 (report for 1950). [diseases of elms and other trees] Arnhem 1951. 16 p.

f. Virus

Baker, W. L., and May, C., Phloem necrosis of elm. [Scaphoideus luteolus] Plants and Gardens (Brooklyn bot. Gard. Rec.) 7. 1951, 129—130, 1 fig.

Franz, J., Erfolgreiche Verbreitung von Viruskrankheiten zur Forstschädlingsbekämpfung. Bericht über neuere kanadische Arbeiten. Ztschr. Pfl.krankh. 58. 1951, 185—187.

Goheen, A. C., Hord, H. H. V., and Yerkes jr., W. D., Witches'-broom of Douglas-fir in Washington. Northwest. Sci. 25. 1951, 183—184.

Jackson, L. W. R., Effect of littleleaf disease on growth of shortleaf pine. J. Forestry 49. 1951, 778—779.

Klásterský, I., A cowl-forming virosis in roses, lime-trees and elm-trees. Stud. bot. Čechosl. 12. 1951, 73—171, 134 fig.

Perišić, M., Nova virusna bolest na kanadskoj Topoli kod nas. (A new virus disease of Canadian Poplar in our country.) Šumarstvo (Forestry, Belgrad), 4. 1951, 313.

g. Holzschutz

Wood preservation — Protection du bois

Alliot, H., Méthode d'essai des produits anticryptogamiques. Inst. nat. Bois Bull. techn. nr. 1. 1951.

Alliot, H., Results of research on the chemical protection of green timbers. Brit. Wood Preserv. Assoc. Rec. 1951, 145—151.

Andrén, F., Nå raerfarenheter vid användningen av arsenikimpregnerat virke för växthusändamål. Växt-skyddsnotiser, Stockholm, 15. 1951, 38—40, 1 fig.

Antzenberger, P., Étude de la pénétration des résines dans le bois imprégné par le tracé des isothermes d'adsorption et des désorptions. Rech. aeronautique 1951, 21, 41—47.

Avenarius, R., Über Holzschutzwerbung. Holz 5. 1951, 131.

Baechler, R. H., Naval stores and derivatives as wood preservatives. South. Lumberman 183. 1951, nr. 2297, p. 160—162.

Bavendamm, W., Die Beurteilung der toxischen Wirkung der Holzschutzmittel. Holz als Roh- u. Werkstoff 9. 1951, 101—105, 1 fig.

Becker, G., Holzschutz gegen Insekten in Deutschland. Schädlingsbekämpfung 43. 1951, 145—147.

Becker, G., Über einige Ergebnisse und Probleme der angewandten Entomologie auf dem Holzschutzgebiet. Verh. dtsh. Ges. angew. Ent. e. V. 11. Mitgl.versamml. München 1949. 1951, 47—70.

Becker, G., und Wiederholt, W., Fluosilicathaltige Gemische für den Holzschutz mit herabgesetzter eisen-schädigender Wirkung. Holz als Roh- u. Werkstoff 9. 1951, 409—416, 3 Abb.

Bell, Die Notwendigkeit des Holzschutzes. Weltholz-wirtschaft 3. 1951, 35—37.

Bellmann, H., Der Grenzwert der Schutzflüssigkeit. Holz als Roh- u. Werkstoff 9. 1951, 270—273.

Bellmann, H., Wo soll der Holzschutz beginnen? Welt-Holz 3. 1951, 55—57. — Österr. Forst- u. Holz 1951, 355—357.

Bernasco, W., Wood impregnation. Econ. Weekbl. In-donesie 17. 1951, 143—146, 161—165.

Blew, J. O., Comparison of wood preservatives in Mis-sissippi post study (1951 progress report). U.S. Dept. Agric., Forest. Prod. Lab. Rept. R 1757 (rev.). 1951, 11 + 2 p. (unnumbered).

Blew, J. O., Comparison of wood preservatives in stake tests (1951 progress report). U.S. Dept. Agric., Forest. Prod. Lab. Rept. D 1761. 1951, 7 + 26 p. (unnumbered), 1 fig.

Blew, J. O., Richards, C. A., and Baechler, R. H., Evaluating wood preservatives. Forest. Prod. Res. Soc. Proc. 5. 1951, 230—238.

Bond, W. R., Buying permanent timbers. [wood pre-servation] Pacific Purchasor 33. 1951, 19—20, 57—60.

Botelho, E. A., (New preservatives of wood.) Bol. Inst. Techn. Rio de Janeiro 2. 1951, nr. 3, p. 25—34.

Bovay jr., H. E., and Robertson, R. B., New wood treating plant. South. Lumberman 183. 1951, nr. 2291, p. 41—42.

- Bovay jr., H. E., and Robertson, R. B., Southern Pine Lumber Company's new wood treating plant. South. Power Ind. 69. 1951, nr. 12, p. 76—79.
- Brezinšćak, M., (Hochfrequenz-Trocknung und -Erwärmung des Holzes.) Šumarski List 75. 1951, 277—286.
- Brimblecombe, A. R., Surface treatments against two common timber borers. [Lyctus brunneus, Calymnaderus incisus] Queensland agric. J. 73. 1951, 215, 217.
- Broese van Groenou, I. H., Rischen, H. W. L., and Van den Berge, J., Wood preservation during the last 50 years. A. W. Sigthoff, 'S Uitgeversmaatschappij, Leiden 1951. 318 p., 60 fig.
- Brooker, L. E., Some notes on timber preservation in New Zealand. Brit. Wood Preserv. Assoc. Rec. 1951, 129—140.
- Broughall, F. G., Creosote oil as a timber preservative, its preparation and properties. Brit. Wood Preserv. Assoc. Rec. 1951, 161—168.
- Broughall, F. G., Creosote oil for timber preservation. Specifications and performance in use. Chem. Trade J., London, 128. 1951, 1493—1494.
- Burden, J. H., and McMullen, M. J., The sterilization of Baltic pine infested by siricid wood wasp. Austr. J. Sci. 14. 1951, 57—58.
- Butovitsch, V., Undersökningar över virkesförstörande insekters spridning och skadegörelse i boningshus i Blekinge län och Kalmar läns södra landstingsområde. (Untersuchungen über die Ausbreitung und den Schaden der holzerstörenden Insekten in Wohnhäusern in den Provinzen Blekinge und Kalmar (Süd-schweden).) Meddel. Stat. Skogsforskn. inst., Stockholm, 40. 1951, nr. 5, 39 p., 1 fig. — Ztschr. angew. Ent. 33. 1951, 172—186.
- Campredon, J., La protection des bois contre les dégâts des insectes. Bâtir Nov. 1951, 4 p.
- Carbajal, P., Por qué emplear preservativos para la madera. Hacienda 46. 1951, nr. 9, p. 46—47.
- Christensen, G. N., and Williams, E. J., Diffusion in wood. 1. Part. Quantitative theory of diffusion through porous media and its application to wood. 2. Part. Temperature coefficient of diffusion through wood. 3. Part. Ion selection and its effect on the diffusion of electrolytes. Austr. J. appl. Sci. 2. 1951, 411—429, 430—439, 440—453.
- Clarke, S. A., Wood preservation in Australia. Brit. Wood Preserv. Assoc. Rec. 1951, 141—144.
- Cokley, K., Treatment schedules for the impregnation of timbers susceptible to the powder post beetle (Lyctus brunneus). Austr. Timber J. 17. 1951, 642, 645—646, 648.
- Cox, H. A., The preservation of wood. I. The case for preservative treatment. II. The main types of preservatives. III. Methods of applying preservatives. IV. Pressure treatments. Wood, London, 16. 1951, 298—300, 345—346, 382—384, 420—422, 10 fig.
- Cox, H. A., Some recent activities. Brit. Wood Preserv. Assoc. Rec. 1951, 175—181.
- Cox, R. G., Problems in Idaho white pine slash. West. Forestry, Conserv. Assoc. Proc. 42. 1951, 41.
- Crawford, F. S., and Bird, J. H., Treatment of timber. Chemical impregnations of trees and poles by sap-stream methods. U.S. Dept. interior. Bur. Mines. Inform. Circ. 7597. 1951, 4 p.
- Daviault, L., La fourmi gâte-bois. Forêt et Conserv. 3. 1951, 273—277.
- Duncan, C. G., and Richards, C. A., Evaluating wood preservatives by soil-block tests: 3. The effect of mixing a coal tar creosote and a pentachlorophenol solution with a petroleum; a creosote with a coke-oven tar or pentachlorophenol solution. 4. Creosotes. Proc. amer. Wood Preserv. Assoc. 47. 1951, 264—274, 275—287, 7 fig.
- Eeckhout, L., Oriëntierend onderzoek naar de eigenschappen van creosoot en zijn componenten als houtbeschuttingsmiddelen. (The investigation of the wood preserving properties of creosote oil and its constituents.) R. landbouwhogeschool. Lab. Houttechnol. Meded. 8. 1951, 53 p.
- Eisenmann, E., Holztrocknung mit Klima-Spiralzentrifugen. Int. Holzmarkt, Wien, 42. 1951, 30—33, 9 Abb.
- Engelhard, J., Comment faire disparaître les inconvénients du bois. [preservation] Rustica 24. 1951, 838.
- Espenas, L. D., The seasoning of Oregon hardwoods. Oregon State Coll. Coop., Corvallis, Inform. Circ. 6. 1951, 35 p., 10 fig.
- Findlay, W. P. K., The value of laboratory tests on wood preservatives. Brit. Wood Preserv. Assoc. Rec. 1. 1951, 3—10.
- Findlay, W. P. K., and Vernon, J. W., A simple method for testing the toxicity of volatile antiseptics to wood-rotting fungi. Ann. appl. Biol. 38. 1951, 876—880, 1 fig.
- Finholt, R. W., Improved toximetric agar-dish test for evaluation of wood preservatives. Analyt. Chem. 23. 1951, 1038—1039.
- Fitzgerald, O. A., Idaho's pole blight clinic. Amer. Forests 57. 1951, nr. 10, p. 30—31, 38, 40.
- Fujii, (Commentary on the notices of imported timber protection.) [Xyleborus, Stenoplatypus, Platypus] Jap. J. Plant Prot. 19. 1951, 13—21.
- Geiger, F. K., Besondere Bedeutung des Holzschutzes. Norddtsch. Holz. 5. 1951, Nr. 14, S. 1—5, 7—8.
- Giesekeing, E., Richtlinien für die Vergebung von Holzschutzaufträgen. Berliner Baubuch 1951, 6 S., 4 Abb.
- Gillwald, J., Holzschutztagung am 17. und 18. Juli 1951 in Eberswalde. Technik 6. 1951, 562—564.

- Giordano, G.**, *Technologie del legno. Il legno e le sue caratteristiche trasformazioni meccaniche e miglioramenti.* U. Hoepli, Milano 1951. 759 p.
- Giordano, G.**, La valorizzazione di alcuni assortimenti legnosi per mezzo di procedimenti preservativi. (Die Werterhöhung einiger Holzsortimente durch Holzschutzverfahren.) *Monti e Boschi* 2. 1951, 203—208.
- Göhre, K.**, Die Dauerhaftigkeit des Robinienholzes. *Forstw.-Holzw.* 5. 1951, 144—149.
- Hadert, H. H.**, Chromate als Korrosionsverzögerer in Holzschutzmitteln. *Werkstoffe u. Korrosion* 2. 1951, 49—51.
- Hägglund, E.**, und **Lange, P. W.**, Über den Sulfitaufschluß von weißfaulem Buchenholz. *Makromolek. Chem.* 6. 1951, 280—291, 10 fig.
- Harkom, J. F.**, Preservation of wood. *U. Nat. Sci. Conf. Conserv., Util. Resources Proc.* 5. 1951, 284—286.
- Harrow, K. M.**, Impregnation of Tawa (Beilschmiedia tawa Benth. and Hook. f.) with boric acid by diffusion. I. Changes in distribution in boric acid with time after treatment. II. Effect of some variables upon loading and distribution of boric acid in this timber. *New Zealand J. Sci., Techn., Sect. B*, 32. 1951, nr. 4, p. 28—30, 31—38.
- Harrow, K. M.**, Leachability of some water-soluble wood preservatives. *New Zealand J. Sci., Techn., Sect. B*, 32. 1951, nr. 6, p. 33—40.
- Harrow, K. M.**, Note on the soil moisture content used with the Leutritz technique for testing toxicity of wood preservatives against fungi. *New Zealand J. Sci., Techn., Sect. B*, 32. 1951, nr. 4, p. 39—40.
- Harrow, K. M.**, Preservative treatment of Pinus radiata D. Don by pressure impregnation with cold aqueous solution. *New Zealand J. Sci., Techn., Sect. B*, 32. 1951, nr. 5, p. 8—15, 1 fig.
- Harrow, K. M.**, Preservative treatment of Tawa (Beilschmiedia tawa Benth. and Hook. f.) by pressure impregnation. *New Zealand J. Sci., Techn., Sect. B*, 32. 1951, nr. 5, p. 44—48.
- Hearn, A. H.**, Relationship between sapwood thickness and depth of preservative penetration in Pacific Coast Douglas fir poles. *Proc. amer. Wood Preserv. Assoc.* 47. 1951, 135—151.
- Heid, F. J.**, Conservation of lumber through the removal of defects. *Forest. Prod. Res. Soc. J.* 1. 1951, 61—63.
- Heidenreich, E.**, Das Gamma-Hexachlorcyclohexan im Forst. *Ztschr. angew. Ent.* 33. 1951, 321—328.
- Hickson, B.**, Some scientific and industrial aspects of wood preservation. *Wood*, London, 16. 1951, 263.
- Hickson, H. E.**, The value of service records in wood preservation. *Brit. Wood Preserv. Assoc. Rec.* 1. 1951, 11—19.
- Hickson, H. E.**, Wood-preservatives evaluation. The need for service records. *Chem. Trade J.* 129. 1951, 542—543.
- Hörning, F.**, Holzimprägnierung — ein Gebot der Zeit. *Gartenwelt* 51. 1951, 264, 1 Abb.
- Holland-Merten, E. L.**, Die Vakuumimprägnierung. *W. Knapp, Halle* 1951. 120 S.
- Horgan, E. D.**, Wood preservative; a fungicide is found to lengthen life of containers and pallets while preventing product-tainting molds. [Cellu-san, a composition of zinc petroleum sulfonate] *Mod. Packaging* 25. 1951, nr. 2, p. 116—120.
- Horvat, I.**, und **Emrovic, B.**, (Das Verfahren bei der Holztrocknung.) *Šumarski List* 75. 1951, 303—321.
- Hunt, G. M.**, Wood preservatives in the national emergency. *Proc. Forest. Prod. Res. Soc., Madison*, 5. 1951, 115—117.
- Inouye, Y.**, **Nakamura, T.**, and **Nishimoto, K.**, Wood preservatives. I. Sterilizing power of o-cresol-sulfur resin against wood-destroying fungi. III. Dehydrogenating reaction of pine-root oil with sulfur and the sterilizing action. V. The sterilizing action of pine-root oil and its chloride. *Mokuzai Kenkyu (Wood Res.)* nr. 4. 1950, 19—23; nr. 6. 1951, 7—19; nr. 7. 1951, 33—44.
- Inouye, Y.**, and **Nishimoto, K.**, (Studies on the wood preservatives. VI. On the improvement for testing methods of the preservatives.) *Wood Res. (Bull. Wood Res. Inst., Kyoto)* 1951, 45—53.
- Inouye, Y.**, **Nishimoto, K.**, and **Ecchu, K.**, (Studies on the wood preservatives. III. On the unhydrogenous reactions with sulfur in pine root oil and the sterilizing action. V. On the sterilizing power of pine root oil and its chloride.) *Wood Res. (Bull. Wood Res. Inst., Kyoto)* 1951, 9—16, 33—34.
- Jaquiot, C.**, The main problems of timber protection in France. *U. Nat. Sci. Conf. Conserv., Util. Resources Proc.* 5. 1951, 283—284.
- Jaquiot, C.**, et **Keller-Vaillant**, La préservation des bois. *Hermann & Cie., Paris* 1951. 186 p., 10 tab.
- Jay, A.**, Sound practise in the use of timber. *Architects' J.*, London, 114. 1951, 717—718, 3 fig.
- Jentzsch, H.**, Besuch beim Holzimprägnierwerk Buchholz der Rütgerswerke AG. *Norddtsh. Holzw.* 5. 1951, Nr. 10, S. 5—7.
- Kisser, J.**, Bericht über die Holztagung 1950 der Deutschen Gesellschaft für Holzforschung in Düsseldorf. *Int. Holzmarkt* 42. 1951, 20—22.
- Kisser, J.**, Errichtung eines Holzforschungsinstitutes der holzverarbeitenden Industrie in Österreich. *Österr. Forst- u. Holzw.* 5. 1951, Nr. 10.
- Kneale, R. E.**, and **Tamblyn, N.**, The toxicity of naphthenic acid and copper naphthenate to wood destroying fungi. *Austr. Commonw. sci., ind. Res. Org., Div. Forest. Prod.*, 1951, 16 p. (Sub-Proj. P. 9—4, Progr. Rept. nr. 3).

- Koch, J. E.**, Ist Holzschutz durch Kyanisierung noch zeitgemäß? *Chemiker-Ztg.* 75. 1951, 213—215. — *Int. Holzmarkt*, Wien, 42. 1951, 31—33.
- Koch, W.**, Holzimprägnierung. *Bad. landw. Wochenbl.* 118. 1951, 429.
- Koljo, B.**, Über die Mechanik der Flüssigkeitsbewegung bei der Holzimprägnierung. *Svenska Träforskn. inst.*, Stockholm, Trätekn. Avdeln. 25 B. 1951, 53 p., 34 fig., 8 tab.
- Krishna, S.**, and **Narayanamurti, D.**, Preservation of wood, methods of wood preservation and their uses with special references to over-all economies in consumption. *U. Nat. Sci. Conf. Conserv., Util. Resources Proc.* 5. 1951, 271—276.
- Kurir, A.**, Holzinsekten — Holzschutz. Parkettkäfer (*Lyctus linearis*), Totenuhr (*Anobium punctatum*), Troitzkopf (*Anobium pertinax*), Scheckiger Pochkäfer (*Xestobium rufovillosum*), Gekämmter Pochkäfer (*Ptilinus pectinicornis*), Kapuzinerkäfer (*Bostrychus capucinus*), technischer Schädling der schweren Hart-hölzer. *Allg. Holzrundschaу* 7. 1951, 147—149, 5 Abb.; 164—166, 4 Abb.; 185—186, 4 Abb.; 209—210, 3 Abb.; 232—233, 3 Abb.; 251—253.
- Lange, P.**, Occupational hazards and controls in using wood preservatives. *South. Lumberman* 182. 1951, nr. 2277, p. 79—81.
- Launois, H.**, Le pentachlorphénol, agent de conservation du bois. *Bois Nat.*, Straßburg, 22. 1951, 492.
- Launois, H.**, Le séchage du bois par infra-rouge. *Bois Nat.*, Straßburg, 22. 1951, 304.
- Leonard, J. M.**, and **Pitman, A. L.**, Tropical performance of fungicidal coatings. *Ind., engin. Chem.* 43. 1951, 2338.
- Leonard, J. P.**, Selecting a wood preservative. *Wood Working Digest* 53. 1951, 105—106, 111—113.
- Leopold, B.**, Studies on lignin. Part VIII. Nitrobenzene oxidation and sulphonation of wood decayed by brown-rotting fungi. *Svensk kem. Tidskr.* 63. 1951, 260—271, 8 fig.
- Leuritz, J.**, The destruction of wood by fungi and its prevention — wood preservation. *Trans. New York Acad. Sci.* (ser. II) 13. 1951, 177—181.
- Liese, W.**, Über den Einfluß physikalischer Eigenschaften öli ger Schutzmittel auf die Eindringung in Holz. Bitumen, Teere, Asphalte, Pechе, verwandte Stoffe 2. 1951, 276—279.
- Liese, W.**, Über die Bedeutung der Holzstruktur für das Eindringen öli ger Holzschutzmittel. *Diss. Hannov.-Münden* 1951.
- Liese, W.**, Über die Eindringung von öli gen Schutzmitteln in Fichtenholz. Holz als Roh- u. Werkstoff 9. 1951, 374—378.
- Linden, R.**, La protection des bois par des produits d'imprégnation. *Fruit belge* 19. 1951, 121—126.
- Lohwar, K.**, »Pignolifäule«. [*Stereum frustulosum*, *Polyporus sulfureus*] *Mitt. österr. Ges. Holzforsch.* 3. 1951, Nr. 6, 2 S., 1 Abb. (Beil. zu *Int. Holzmarkt* 42. 1951, Nr. 24).
- Lüscher, M.**, Termiten und Holzschutz gegen Termiten. *Holz* 5. 1951, 10—12, 37—39.
- Lynch, C.**, Australian research into timber preservation. *Wood*, London, 16. 1951, 423.
- Maag, R.**, La protection moderne du bois. *Forêt* 5. 1951, 2—4.
- MacLean, J. D.**, Rate of disintegration of wood under different heating conditions. *Proc. amer. Wood Preserv. Assoc.* 47. 1951, 155—169.
- McMillen, J. M.**, The seasoning of hickory lumber. *U.S. Forest Prod. Lab.*, Madison (Wisconsin), R 1794. 1951, 7 p., fig.
- Maku, T.**, (Studien über Holz Trocknung. 1.) *Bull. Wood Res. Inst.*, Kyoto Univ., 6. 1951, 51—70, fig.
- Malenkowič, B.**, Die Entwicklungsgeschichte der Fluor- und Fluor-Dinitro-Holzimprägnierung. *Int. Holzmarkt*, Wien, 42. 1951, 43—45.
- Mann, R. H.**, Atlantic City beach protected by creosoted timber groins. *Wood Preserv. News* 29. 1951, 2—5, 13.
- Mann, R. H.**, Wood preservation in the United States and its relation to the conservation of American forests. *U. Nat. Sci. Conf. Conserv., Util. Resources Proc.* 5. 1951, 288—289.
- Marsden, D. H.**, Studies of *Hormodendrum resinae* Lindau, a common inhabitant of creosoted and coal-tar-treated wood. *Phytopathology* 41. 1951, 658—659.
- Matagrín, M. A.**, Méthodes nouvelles de protection des bois d'oeuvre. II. Fongicides et antiseptiques recommandables pour la défense du bois. *Rev. int. Bois* 18. 1951, nr. 161, p. 18—19.
- Mayfield, P. B.**, The toxic elements of high-temperature coal tar creosote. *Proc. amer. Wood-Preserv. Assoc.* 47. 1951, 62—88.
- Narayanamurti, D.**, A short note on wood preservation for users in India. *Indian Forestry Bull.* nr. 110. 1951, 35 p.
- Narayanamurti, D.**, u. a., Quantitative Studien über den Festigkeitsverlust von Holz bei Fäulnis und Entwicklung eines Prüfverfahrens auf natürliche Dauerhaftigkeit und Giftwirkung. Holz als Roh- u. Werkstoff 9. 1951, 334—337.
- Narayanamurti, D.**, **Ranganathan, V.**, and **Ratra, R. S.**, Diffusion in wood. I. Diffusion of ions through some Indian timbers. *Indian Forestry Bull.* nr. 151. 1951, 11 p. — *Indian Forester* 77. 1951, 587—599. — *Proc. Indian Acad. Sci.* 33. 1951, 349—359.

- Nowak, A.**, Die Holzkonservierung der USA. in Zahlen. Int. Holzmarkt 42. 1951, Nr. 14, S. 12—13.
- Orlicz, T.**, Uwagi do metod kontroli przebiegu suszenia drewna. (Bemerkungen zu Kontrollmethoden bei Holztrocknungsprozessen.) Przemysł Drzewny 1951, 171—175, 212—213.
- Orloś, H.**, Badania nad zwalczaniem szkodliwych drewna w Polsce. (Untersuchungen über die Bekämpfung der Verblauung des Holzes in Polen.) Inst. Bad. Lesn., Prace, nr. 70. 1951, 67 p.
- Pechmann, H. v.**, Über den Schutz gefällten Buchenholzes gegen Verfärbung und Pilzangriff. Erfahrungen mit dem Buchenschutzmittel »Bayer-Buchenschutz und Basiment«. Forstwiss. Centralbl. 70. 1951, 676—691, 213 Abb.
- Peck, E. C.**, Air-drying of lumber. South. Lumberman 183. 1951, 45—46, 48, 49, 50, 52—55, 56, fig.
- Perkins, W. C.**, History of Union Pacific Timber Treatment. Proc. amer. Wood Preserv. Assoc. 47. 1951, 221—223. — Wood Preserv. News 1951, 97—101, 109.
- Perlman, A. E.**, Prevention of mechanical wear in crossties. Proc. amer. Wood Preserv. Assoc. 47. 1951, 206—211.
- Piller, J.**, Die Anwendungsgrenzen des Ultraschalls in der Holzimprägnierung. Holz-Zentralbl. 77. 1951, 1670.
- Piller, J.**, Ultraschall im Holzschutz? Holz-Zentralbl. 77. 1951, 744.
- Pratt, G. H., and Dean, A. R.**, Report on an investigation into the drying of timber by the application of radio frequency heating. Dept. sci., ind. Res., London, Forest Prod. Res. Lab., 1951, 36 p., fig.
- Raphael, H. J., and Graham, R. D.**, The longitudinal penetration of petroleum oils in Douglas fir heartwood after a fifteen-minute immersion. Proc. amer. Wood Preserv. Assoc. 47. 1951, 173—175.
- Ray, J. N.**, Methods of wood preservation and their uses with reference to over-all economies in consumption. U. Nat. Sci. Conf. Conserv., Util. Resources Proc. 5. 1951, 276—278.
- Reichmuth, W.**, Ein neuer Anstrich, der tierische Schädlinge tötet. Farbenhändler 6. 1951.
- Rennerfelt, E.**, The preservation of wood. [Sweden] U. Nat. Sci. Conf. Conserv., Util. Resources Proc. 5. 1951, 287.
- Richardson, N. A.**, The natural durability and preservation of timber. Timber, Plywood Ann. 52. 1951, 93—94, 96, 98.
- Richardson, N. A.**, Some impressions of the wood preservation industry in the USA. and Canada. Rec. Ann. Conv. brit. Wood Preserv. Assoc. 1951, 152—160. — Timber Trade J. 198. 1951, 3904.
- Richardson, N. A.**, Wood preservation in Great Britain. U. Nat. Sci. Conf. Conserv., Util. Resources Proc. 5. 1951, 269—270.
- Richardson, N. A.**, Wood preservation in the USA. Chem. Trade J., London, 129. 1951, nr. 3344, p. 19—20.
- Roche, J. N.**, The broader aspects of wood preservation with particular reference to creosote. Proc. Forest. Prod. Res. Soc. 5. 1951, 118—120.
- Rogers, R. T., and Behr, E. A.**, A comparison of pentachlorophenol petroleum solutions and coal tar creosote in the pressure treatment of green southern yellow pine poles. Forest Prod. Res. Soc. J. 1. 1951, 7—12.
- Roosen, P.**, Les tests d'appréciation de la durabilité naturelle ou artificielle du bois. Bull. Soc. R. Forest. Belg. 58. 1951, 393—414.
- Sandermann, W., und Jonas, G. Z.**, Studien auf dem Gebiete der Holzschutzchemie. 2. Über den Nachweis und die Bestimmung der Eindringtiefe von Pentachlorphenol. Holz als Roh- u. Werkstoff 9. 1951, 298—300.
- Sandermann, W., Schärfe, E., und Froede, O.**, Über die Eindringtiefe des Sublimats bei einfacher und verbesserter Kyanisierung. Holz als Roh- u. Werkstoff 9. 1951, 186—190, 5 Abb.
- Schmidt, H.**, Exportindustrie und Termitensicherung. Norddtsch. Holzw. 5. 1951, Nr. 52.
- Schofield, J. A.**, Coal tar creosote as a wood preservative. Timber News 59. 1951, 53—54.
- Schulz, G.**, Ein mykologisches Verfahren zur Bewertung vorbeugender Schutzmittel gegen das Verblauen von Kiefernholz. (Methoden zur Prüfung von Pflanzenschutz- und Vorratsschutzmitteln Nr. 47.) Angew. Bot. 26. 1951, 42—54, 4 Abb.
- Schulze, B.**, Neue Erkenntnisse und Verfahren in der Holzschutztechnik unter besonderer Berücksichtigung der Hydrogenfluoride. Holzforschung 5. 1951, 25—31.
- Schulze, B.**, Steigerung der holzschutztechnischen Eigenschaften von Fluosilikaten. Chem.-Ztg. 75. 1951, 456—457.
- Schwartz, W.**, Beiträge zur Kenntnis des Holzes als Werkstoff. III. Untersuchungen über die Beeinflussung der Quellung des Holzes durch Imprägnierung. Angew. Bot. 26. 1951, 228—239.
- Shipley, G. B.**, The wood preservers' contribution to conservation: a study based on the 41-year period 1909—1949. Wood Preserv. News 29. 1951, 35—39, 43.
- Shipley, G. B.**, 1. The wood preservers' contribution to conservation. 2. Conservation — the result of using pressure treated crossties. Proc. amer. Wood Preserv. Assoc. 47. 1951, 339—351.

- Sprangers, A. A. C.**, (On the use of wood preservatives. II.) *Hout Handel* 3. 1951, 465.
- Stamm, A. J.**, Wood. [preservation and properties] *Ind., engin. Chem.* 43. 1951, 2276—2279.
- Steer, H. B.**, Preliminary wood preservation statistics. *U.S. Dept. Agric., Forest Serv.*, 1951, 19 p.
- Steer, H. B.**, Putting the dollar sign on decay. *Amer. Forest.*, Washington, 57. 1951, 28—29, 67—68, fig.
- Steer, H. B.**, Some practical references on wood preservation. *U.S. Forest Serv.*, Washington, 1951, 3 p.
- Steer, H. B.**, Wood preservation statistics 1950. *Proc. amer. Wood Preserv. Assoc.* 47. 1951, 299—328.
- Stegmann, G.**, Erfolgreicher Holzschutz durch neue Verfahren. *Umschau* 51. 1951, 580—582, 2 Abb.
- Storch, K.**, Die Holzschutzmittel. *Holz als Roh- u. Werkstoff* 9. 1951, 168—171.
- Theden, G.**, Ergebnisse der Auswaschbarkeitsprüfung von Holzschutzmitteln. *Elektrizitätswirtschaft* 50. 1951, 59—62.
- Tiemann, H. D.**, The kiln-drying of lumber. *South. Lumberman* 182. 1951, nr. 2277, p. 50, nr. 2281, p. 58, nr. 2283, p. 58, 60, nr. 2285, p. 52, 54; 183. 1951, nr. 2291, p. 58, 60, nr. 2293, p. 58, 60, 74, fig., nr. 2295, p. 52, 54, fig.
- Tonnemacher, F.**, Probetränkversuche mit verschiedenen Imprägniermitteln. *Elektrizitätswirtschaft* 50. 1951, 56—58.
- Varner, R. W.**, and **Krause, R. L.**, Agar-block and soil-block methods for testing wood preservatives. *Ind., engin. Chem.* 43. 1951, 1102—1107.
- Verrall, A. F.**, Decay of wood siding is preventable. *South. Lumberman* 182. 1951, nr. 2274, p. 55—57, 4 fig.
- Verrall, A. F.**, and **Mook, P. V.**, Research on chemical control of fungi in green lumber, 1940—51. *U.S. Dept. Agric. Techn. Bull.* 1046. 1951, 60 p., 9 fig.
- Villey, M.**, Influence de la méthode de conservation des souches de *Coriolus versicolor* sur l'attaque du bois par ce champignon. *Rev. Mycol.* 16. 1951, 30—32.
- Villière, A.**, La protection des bois au Canada. *Rev. Bois* 6. 1951, nr. 9—10, p. 20—24.
- Walsh, J. P.**, Oil retention calculations in timber. *Proc. amer. Wood Preserv. Assoc.* 47. 1951, 170—172.
- Walters, C. S.**, Experimental treating plant built at Dixon Springs. [wood preservation] *Illinois agric. Exp. Stat. Dept. Forestry, Forestry Note* 23. 1951, 5 p.
- Weisse, G.**, Holzschutz mit wasserlöslichen Schutzsalzen in der Praxis. *Dtsch. Holzbau* 7. 1951, 102—106.
- Wohletz, E.**, and **Burlison, V.**, Cold-soak wood preservation. *Idaho agric. Coll. Ext. Bull.* 187. 1951, 20 p.
- Zugehör, A.**, Aus der Holzschutzpraxis. *Holz-Zentralbl.* 77. 1951, 975—976.
- American Wood Preservers' Association**: Proceedings, forty-seventy annual meeting, Chicago (Illinois), April 24, 25, 26, 1951. Washington 1951. 510 p., 55 fig., 2 tab., 1 tab. geogr.
- Bewährte Hylamon-Holzschutztechnik**. *Xylamon-Nachr.* 10. 1951, 9—11.
- British Wood Preserving Association**: Record of the first annual convention of the British Wood Preserving Association. *Brit. Wood Preserv. Assoc.* 1951, 196 p.
- Canadian woods**, their properties and uses. Chapter VI and VII: wood preservation. Ottawa 1952. 2. ed., XV+367 p., 136 fig.
- Cryptogils-xylophènes** pour le traitement des bois contre les termites. Lyon 1951, 31 p.
- Gepulvertes Kupfer** als konservierender Holzüberzug. *Holz* 5. 1951, 41.
- Die Holz-Konservierung**. *Dtsch. landw. Presse* 74. 1951, 25, 3 Abb.
- Holzschutzmittel**: Die verschiedenen Anwendungsmethoden der Holzschutzmittel (nach A. Matagrin). *Rev. int. Bois, Paris*, 18. 1951, 17, 19.
- Holzschutz-Tagung** 26./27. Sept. 1950 in Marburg. *Planen u. Bauen* 5. 1951, 70.
- Holzschutztagung** (Juli 1951, Eberswalde). *Chem. Techn.* 3. 1951, 378.
- Holzwurmbekämpfung** — wie und womit? *Xylamon-Nachr.* 10. 1951, 5—6, 1 Abb.
- Holzwurmsuchgerät** »Detektiva«. *Norddtsch. Holzw.* Nr. 27. 1951, 7.
- Horchgerät** zur Feststellung holzbohrender Käferlarven. *Holz als Roh- u. Werkstoff* 9. 1951, 242—243, 1 Abb.
- Houtbescherming door fungi**. (Holzschutz durch Pilze.) *Econ. Voorlichting* 45. 1951, 27.
- List of publications** on wood preservation. U.S. Forest Serv., Forest Prod. Lab., Rept. R 704. 1951, 29 p.
- List of wood preserving plants** — Canada. *Proc. amer. Wood Preserv. Assoc.* 47. 1951, 338.
- Preserving statistics**. *South. Lumberman* 183. 1951, 32.
- Properties of wood** related to drying. *Forest Prod. Lab., Madison (Wisconsin)*, Rept. R 1900—1. 1951, 25 p., tab.
- Protection des bois** par des huiles naturelles non toxiques. *Rev. Bois, Paris*, 6. 1951, 48, 52.
- Report of Committee P-3**, Petroleum Solutions. *Proc. amer. Wood Preserv. Assoc.* 47. 1951, 26—29.

Report of Committee P-4, New Preservatives. Proc. amer. Wood Preserv. Assoc. 47. 1951, 32—37.

Reports of Information and Technical Development Committees. Proc. amer. Wood Preserv. Assoc. 47. 1951, 176—186.

Reports of Recommended Practice Committees. Proc. amer. Wood Preserv. Assoc. 47. 1951, 227—261.

Reports of Utilization and Service Records Committees. Proc. amer. Wood Preserv. Assoc. 47. 1951, 188—196.

Richtlinien für Holzschutzmaßnahmen. Holz als Roh-u. Werkstoff 9. 1951, 433—434.

Tagungsbericht über die Holzschutztagung 1950 in Marburg a. d. Lahn vom 26. u. 27. September 1950. DGfH-Nachr. (Dtsch. Ges. f. Holzforsch., Stuttgart) Nr. 2. 1951, 2—21.

Timber decay and its control. Dept. sci., ind. Res., Forest. Prod. Res. Lab., Leaf. nr. 39. 1951, 12 p., 8 fig.

Timber preservation. Timber Development Assoc., Ltd., London 1951. 5. ed., 46 p., 8 tab.

Timber preserved in 1950. Wood Preserv. News 1951, 129—132.

Timber seasoning. Timber Development Assoc., Ltd., London 1951. Rev. ed., 114 p., 22 fig.

Was kostet die Holzschutzbehandlung? Xylamon-Nachr. 10. 1951, 9—10.

Worauf es bei Holzschutzmitteln ankommt. Forstw. — Holzw. 5. 1951, 78—80.

Wo soll der Holzschutz beginnen? Weltholzwirtschaft 3. 1951, 55—57.

h. Salix

Ankudinov, A. M., and Shafranskaia, V. N., (Drying up of Babylonian willow branches.) [Didymosphaeria elaeagni] Lesn. Khoz. 4. 1951, nr. 11, p. 68—69.

Böhm, O., Zur Kenntnis des Roten Weidenblattkäfers *Melasoma saliceti* Wse. (Col., Chrys.). Pfl.schutz-Berichte, Wien, 6. 1951, 77—87, 1 Abb.

Daviault, L., Le papillon satiné (*Stilpnotia salicis*). Forêt et Conserv. 3. 1951, 13—18.

Heslop Harrison, J. W., *Notodonta ziczac* L. on *Salix repens* in Northumberland. Entomologist 84. 1951, 18.

Jenkins, A. E., and McLean, D. M., Significant specimens of *Sphaceloma murrayae*, pathogen of willow gray scab. Plant Dis. Repr. 35. 1951, 459—460, 1 fig.

Petrik, C., Prilog poznavanju bionomije *Stilpnotia salicis* L. u Vojvodini. (Samml. serb. Orig.arb. (naturwiss. Ser.)), Novi Sad, 1. 1951, 203—210, 1 tab. geogr.

i. Morus

Matuo, T., (On the effect of ultra short waves upon the mulberry stem as well as the macroconidia of *Fusarium* sp. causing budblight of the mulberry tree.) (Forsch. Pfl.krankh.), Kyoto, 4. 1951, 115—118.

Petrik, C., Dudovac i njegovo suzbijanje. (Mulberry spinner (fall webworm) and its destruction.) [Hypantria cunea] Zadržna Knjiga, Beograd 1951. 46 p.

Zaprometov, N. G., (Treatment of mulberry seeds with granosan.) Les i Step' 3. 1951, nr. 9, p. 19—23.

9. Zierpflanzen, Garten- und Gewächshauspflanzen Ornamental plants, garden and greenhouse plants Plantes horticoles, plantes de décoration et de serre

a. Allgemeiner Teil

General part — Partie générale

Andersen, E. T., Weed control in horticultural crops. West. canad. Weed Control Conf. Proc. 4. 1951, 94—101.

Beaumont, A., Diseases of wallflowers and stocks. Gard. Chron. 130. 1951, 4—5.

Becker, W. B., Control of insect pests of ornamental trees and shrubs. Massachus. Univ. agric. Ext. Spec. Circ. 183. 1951, 16 p.

Beckenkamp, G., (Disease control calendar for vegetables and fruit under glass.) Fruitteelt 41. 1951, 26.

Bel'skii, N. V., and Chmutova, A. P., (Importance of birds in protecting the vegetation in the Principal Botanic Garden.) Glav. Bot. Sad., Moscow, Bull. 9. 1951, 93—103.

Bjerggård, A., (Experiences with Bladan fumigation tablets.) [in greenhouses] Gart.-Tid. 67. 1951, 135—136.

Booth, C. E., Does your garden breed trouble? [diseases, pests] Horticulture 29. 1951, 250, 274.

Bracey, S. J., The fall of a gladiator. [Diaspis bois-duvallii] Orchid Digest 15. 1951, 209—213.

Bravenboer, L., (Soil diseases and their control.) [in greenhouses] Groenten en Fruit 7. 1951, 245—246.

- Butijn, J., (Damage by drought to horticulture in Zeeland.) Boor en Spade 4. 1951, 255—261.
- Carstens, M. W., Weed control in bulb crops. Northwest. Bulb Growers Assoc. Proc. Bulb Growers Short Course 4. 1951, 45—48.
- Chamberlin, W. J., Notes on some unusual insect enemies of ornamental trees in Oregon in 1951. Nat. Shade Tree Conf. Proc. 27. 1951, 255—258.
- Chervenska, F., Edmonson, H., Darst, E. E., and Reise, O., Commercial weed control trials. Northwest. Bulb Growers Assoc. Proc. Bulb Growers Short Course 4. 1951, 48—51.
- Cooley, J. S., Control of white root rot with chloropicrin in a border of ornamental plants. Phytopathology 41. 1951, 379—380.
- Count, R. D., Introducing your enemies. [insects] Fuchsia Fan 11. 1951, nr. 6, p. 6—7.
- Courtney, W. D., Summary of control measures for nematodes infecting bulbs. Northwest. Bulb Growers Assoc. Proc. Bulb Growers Short Course 4. 1951, 7—10.
- Day, V. F. P., The transmission of aphids. Gard. Chron. 130. 1951, 16.
- De Vassel, C., Los enemigos de la huerta deben conocerse para poder destruirlos. [insect pests in Argentina] Mundo agric. 3. 1951, nr. 31, p. 34—35.
- Dewerth, A. F., Insecticide survey for nurseryman. South. Florist, Nurseryman 64. 1951, nr. 32, p. 91—92.
- Dimock, A. W., Semesan drench for Rhizoctonia control. New York State Flower Growers Bull. 60. 1950, 6—7.
- Dosdall, L., Diseases of ornamental plants. Minnesota Farm, Home Sci. 8. 1951, nr. 3, p. 12—13.
- Engledow, R. A., The garden doctor; a guide to garden health and to the identification and treatment of the common pests and diseases. Bell, London 1951. 176 p.
- Fischer, C. W., and Keller, J. R., Stop the rot in flower shipments. [brominated activated charcoal (BAC)] New York State Flower Growers Bull. 65. 1951, 2—3, 8, 6 fig.
- Fjeldalen, J., Røykemidler mot skadedyr i veksthus. (Insecticidal smokes against insect pests in greenhouses.) Norway. Stat. Plantevern. Meld. 6. 1951, 20 p. — Gartneryrket 41. 1951, 51—57.
- Frömming, E., und Plate, H.-P., Fraßschäden an Gewächshauspflanzen durch Schnecken. Anz. Schäd. kunde 24. 1951, 87—88, 6 Abb.
- Gallegly, M. E., and Leach, J. G., Simplification of garden-pest control. West Virginia agric. Exp. Stat. Bull. 348. 1951, 15 p.
- Gesell, S. G., Insect pests of evergreens and their control. Pennsyly. State Coll. agric. Ext. Spec. Circ. 391. 1951, 19 p.
- Gesell, S. G., and Adams, L. E., Greenhouse insects and their control. Pennsyly. State Coll. agric. Ext. Circ. 395. 1951, 26 p.
- Gillard, A., Sur quelques nematodes nuisibles aux plantes ornementales. Ann. Agric., Hortic. 3 (1950—51). 1951, 152—160.
- Haine, E., Zur Frage der Überwinterung von Myzodes persicae Sulz. an Sekundärwirten: II. Myzodes persicae Sulz. und andere an Kartoffeln vorkommende Aphiden in den Gewächshäusern von Bonn. I—II. Anz. Schäd. kunde 24. 1951, 97—103 u. 120—122.
- Hallemans, A., (A couple of enemies of ornamental plants.) [Diplocarpon rosae, Stephanitis rhododendri] Cult. en Handel (flam.) 17. 1951, 400.
- Hemphill, D. D., Murneek, A. E., and Smith jr., J. E., Chemical weed control in horticultural crops. Missouri agric. Exp. Stat. Bull. 549. 1951, 28 p.
- Holley, W. D., K—6451 for resistant mites. Colorado State Flower Growers Assoc. Bull. 19. 1951, 1—3.
- Jones, W., and Orchard, W. R., Check list of fungus and bacterial organisms causing diseases of ornamental plants in British Columbia coastal areas. Dom. Lab. Plant Path., Saanichton 1951. 9 p.
- Kerr jr., T. W., Ornamental insect control. No. 1. Holly leaf miner (Phytomyza ilicis). No. 2. Birch leaf miner (Fenusa pusilla). Rhode Island agric. Exp. Stat. Misc. Publ. 40—1. 1951, 4 p.; 40—2. 1951, 4 p.
- Kimball, M. H., Disease control in stocks. Bloomin' News 3. 1951, nr. 11, p. 18—19.
- Kragtviijk, C., (Spraying with parathion.) [control of greenhouse pests] Vakbl. Bloemisterij 6. 1951, 234, 235.
- Kuitert, L. C., Insect control on ornamental plants of the home garden. Florida State hortic. Soc. Proc. 63 (1950). 1951, 206—209.
- Legros, N., Fumigations en serre. Bull. Hortic. 6 (n. ser.). 1951, 12—13.
- Maag, R., et Zobrist, L., La protection antiparasitaire des plantes d'ornement. 1. Conf. int. Lutte contre Parasites Plantes 3.—6. 10. 1950 Rom. 1951, 409—414.
- McClellan, W. D., Bulb disease investigations by the United States Department of Agriculture. Northwest. Bulb Growers Assoc. Proc. Bulb Growers Short Course 4. 1951, 41—45.
- McClellan, W. D., Disease control in greenhouse crops. Canad. Florist 46. 1951, nr. 23, p. 3—4, 20—22, 26.

- McIntire, C. T.**, Notes on the greenhouse camel cricket, *Tachycines asynamorius* Adelung. Ent. Rec., J. Variation 63. 1951, 191—192.
- Massenot, M.**, Quelques micromycètes maculicoles parasites d'arbustes ornementaux. Rev. Path. vég. Ent. agric. France 30. 1951, 205—210, 1 fig.
- Minnum, E. C.**, Controlling insects and diseases in the home garden. Connecticut agric. Coll. Ext. Folder 49. 1951, 8 p.
- Müller, F. P.**, Kleingetier im Blumenfenster. Kleingärtner u. Siedler 5. 1951, 22, 1 Abb.
- Murphree, L. C.**, Kill those garden bugs. Mississippi State Coll. Ext. Publ. 167. 1951, 8 p.
- Neiswander, R. B.**, Insecticides for use on ornamental plants. Arborist's News 16. 1951, 62—63.
- Neiswander, R. B.**, Whitefly (*Aleyrodidae*) control in the greenhouse. [Parathion] Proc. amer. Assoc. econ. Ent., North. Centr. States Branch, 6. 1951, 110—111.
- Neumann, H.**, Schädlingsbekämpfung im Gewächshaus durch Räuchern. Gartenwelt 51. 1951, 192—193, 1 Abb.
- Nylund, R. E.**, Control of weeds in vegetable crops, potatoes, sugar-beets, small fruits and ornamentals: small fruits and ornamentals. North Centr. Weed Control Conf. Res. Rept. 7 (1950). 1951?, 126—132.
- Owen jr., K.**, Control insects and diseases in greenhouses. Mkt. Growers J. 80. 1951, nr. 8, p. 16—17, 21.
- Pape, H.**, Bekämpfung des »Feuers« an Blumenzwiebelgewächsen. [Botrytis-Krankheit] Gartenwelt 51. 1951, 104—105.
- Paramonow, A. A.**, (Control of gall nematodes in greenhouses.) Sad i Ogorod (Orchard and Garden) 7. 1951, 61—64.
- Patel, M. K., Bhatt, V. V., and Kulkarni, Y. S.**, Three new bacterial diseases of plants from Bombay. [Xanthomonas lawsoniae, X. tamarindi, X. poinsettiaeicola] Indian Phytopath. 4. 1951, 144—151, 4 fig.
- Plate, H.-P.**, Blumenzwiebelbeizung verhütet Pilzkrankheiten und Bakteriosen. Mitt.bl. Landesverb. Gartenbau, Landw. Berlin 1. 1951, 164—165.
- Pridham, A. M. S., and Stangler, B. B.**, Response of woody ornamentals to 2,4-D. Proc. amer. Soc. hortic. Sci. 58. 1951, 313—316.
- Read, W. H., and Wain, R. L.**, The ovidical activity of some phenyltrichloromethylcarbinols and their esters towards eggs of the glasshouse red spider mite (*Tetranychus telarius* L.). J. Sci. Food, Agric. 2. 1951, 204—207.
- Ridgway, H. W.**, Aerosols for control of pests in the greenhouse. Florists' Exch. 117. 1951, nr. 25, p. 10, 42.
- Ritschl, A.**, Krankheiten der Zimmerpflanzen. Erde u. Ernte, Schwarzenberg, 6. 1951, Nr. 1, S. 3—4.
- Ritter, M.**, Les nematodes parasites des plantes horticoles. Jard. France 6. 1951, 157—168, 169—172.
- Schenk, P. J.**, (Mole crickets (*Gryllotalpa vulgaris*) and earwigs (*Forficula auricularia*.) [injuries to flowers] Vakbl. Bloemisterij 6. 1951, 258.
- Smith, F. F., and Fulton, R. A.**, Octamethyl pyrophosphoramidate for the control of spider mites and aphids on greenhouse ornamentals. Florists' Exchange 116. 1951, nr. 24, p. 9, 40.
- Smith, F. F., and Fulton, R. A.**, OMPA-experiments. Florists' Rev. 108. 1951, 21—22.
- Smith, F. F., and Fulton, R. A.**, Two-spotted spider mite resistant to aerosols. [Tetranychus bimaculatus in greenhouses] J. econ. Ent. 44. 1951, 229—233.
- Stautemas, E.**, (Otiorrhynchus injuries to ornamentals.) Tuinbouwberichten 15. 1951, 10—11.
- Steiner, H.**, Schädlinge in Haus, Hof und Garten. Kosmos 47. 1951, 33—35.
- Stoner, W. N.**, An aphid-transmitted virus disease of fuller's teasel and pincushion flower. [Myzus persicae and Macrosiphum rosae on Dipsacus fullonum and Scabiosa atropurpurea] Phytopathology 41. 1951, 191—194, 1 fig.
- Tarjan, A. C.**, Observations on nematodes associated with decline of ornamental plantings. Plant Dis. Repr. 35. 1951, 217—218.
- Thompson, J. A.**, Greenhouse pests and control. Bull. Orchid Soc. (Oregon) 5. 1951, nr. 6, p. 2—3.
- Van Marle, G. S.**, Spintbestrijding met moderne insecticiden in de Aalsmeerse bloementeelt. Meded. Inst. plantenziektenkdg. Onderz., Wageningen, 18. 1951, 9—120, 7 tab.
- Walther, R.**, Erneutes starkes Auftreten von Tropinota hirta in Blüten von Nutz- und Zierpflanzen. Anz. Schädl.kunde 24. 1951, 181—182, 1 Abb.
- All-purpose spray schedule for home fruits and ornamentals.** New Hampshire agric. Coll. Ext. Folder 18. 1951, 4 p.
- Crop results 1950 — prospects 1951.** New York State Flower Growers Bull. 65. 1951, 4—7.
- Garden pests: prevention or cure.** Gard. Chron. 130. 1951, 127.
- Relazione sulla coltivazione di bulbi di provenienza olandese prelevati al transito doganale di Chiasso durante l'anno 1950.** Not. Mal. Piante nr. 15. 1951, 36.
- Winter injury of some woody ornamental plants, winter 1950—51.** Ohio agric. Coll. Ext. Nursery Notes 20. 1951, nr. 6, 9 p.

b. Spezieller Teil
Special part — Partie spéciale

Amaryllidaceae

- Andison, H.**, The Narcissus bulb fly (*Lampetia equestris*) and its control in British Columbia. *Canad. sci. Serv.*, Div. Ent., Processed Publ. 117. 1951, 7 p., 2 fig.
- Edwards, E. E.**, On the Narcissus flies, *Merodon equestris* (F.) and *Eumerus tuberculatus* (Rond.), and their control. *Bull. ent. Res.* 41. 1951, 593—598.
- Jensen, H. J.**, **Anderson, C. G.**, and **Wieman, J.**, A root-lesion nematode disease of Narcissus. [*Pratylenchus* sp.] *Plant Dis. Repr.* 35. 1951, 522—523, 1 fig.
- Specht, A. W.**, **McClellan, W. D.**, and **Marshall jr., B. H.**, Concentration of eleven elements including mercury in Narcissus as related to bulb treatment. *Phytopathology* 41. 1951, 565—566.

Araceae

- Beaumont, A.**, Diseases of Arum lilies. [*Zantedeschia*] *Gard. Chron.* 129. 1951, 61—62.
- Mezzetti, A.**, Il marciume del pedale della calla prodotto dal *Bacterium aroideae* (Town.) Stapp in Italia. (Basal rot of the calla lily produced by *Bacterium aroideae* (Town.) Stapp in Italy.) *Ann. Sperim. agr.*, Roma, n. ser. 5. 1951, 207—220, 4 fig.

Begoniaceae

- Beaumont, A.**, Begonia diseases. *Gard. Chron.* 129. 1951, 37.
- Ferguson, J.**, Powdery mildew of begonia. *Begonian* (Amer. Begonia Soc.) 18. 1951, 245.
- Viennot-Bourgin, G.**, *Oidium begoniae* Puttemans, maladie nouvelle pour la France. *Ann. Epiphyties* (Ann. Inst. nat. Rech. agron. sér. C) 2. 1951, 381—387, 3 fig.

Campanulaceae

- Beaumont, A.**, Campanula diseases. *Gard. Chron.* 129. 1951, 157.
- Legge, B. J.**, A *Phytophthora* crown rot of Campanula. *Trans. brit. mycol. Soc.* 34. 1951, 293—303, 5 fig., 1 tab.

Caryophyllaceae

- Beaumont, A.**, Diseases of carnations. *Gard. Chron.* 130. 1951, 93—94.
- Beaumont, A.**, Diseases of Sweet Williams. [*Dianthus barbatus*] *Gard. Chron.* 130. 1951, 63.

Guba, E. F., and **Ames, R. W.**, Top soil application of chemicals for controlling carnation wilt diseases. *Phytopathology* 41. 1951, 657—658.

Hardy, J., Plant hygiene and health control for carnations. *Nurseryman and Seedsman* 113. 1951, 1128—1129.

Holtzmann, O. V., Relationship of toxins to bacterial wilt of carnations. [*Pseudomonas caryophylli*] *Colorado State Flower Growers Assoc. Bull.* 19. 1951, 3.

Holtzmann, O. V., and **Thomas jr., W. D.**, Nature of bacterial wilt of carnations. *J. Colorado-Wyoming Acad. Sci.* 4. 1951, nr. 3, p. 58 (Abstr.).

Krause, G., Der Nelkenwickler auf importierten Schnittnelken. [*Tortrix pronubana*] *Pflanzenschutz*, München, 3. 1951, 75—78, 5 Abb.

Nelson, K. S., and **Laurie, A.**, Studies on bacterial wilt of carnations. [*Pseudomonas caryophylli*] *Proc. amer. Soc. hort. Sci.* 58. 1951, 367—370.

Noordam, D., **Thung, T. H.**, en **Van der Want, J. P. H.**, Onderzoekingen over anjeremozaiek, I. (Investigations on carnation mosaic, I.) *Tijdschr. Plantenziekten* 57. 1951, 1—15; 6 fig. (*Inst. plantenziektenkdg. Onderz.*, Wageningen, Meded. nr. 11).

Pelikan, J., O trásněnce karafiátové. (On carnation thrips, *Taeniothrips dianthi* Priesner.) *Ent. Listy* (Folia ent.), Brno, 14. 1951, 5—38, 28 fig.

Rosella, E., Contre l'anguillule des oeillets et des tomates on peut désinfecter la terre. *Rév. Agric.* 60. 1951, 70—71.

Rumley, G. E., and **Thomas jr., W. D.**, The inactivation of the carnation-mosaic virus. *Phytopathology* 41. 1951, 301—303.

Scaramuzzi, G., e **Vidali, A.**, Su un'alterazione non ancora ben determinata delle piante di garofano. (An undetermined disease of carnation plants.) *Not. Mal. Pianta* nr. 15. 1951, 49—56.

Séguy, E., Un nouveau *Phytomyza* parasite des oeillets cultivés (*Dianthus caryophyllus*) (Dipt. Agromyzidae). *Ann. Mus. Civico Storia Nat. Giacomo Doria, Genova*, 64. 1949/51, 56—61.

Spencer, J. L., and **White, H. E.**, Anther smut of carnation. *Phytopathology* 41. 1951, 291—299.

Stoddard, E. M., Chemotherapeutic control of Fusarium wilt of carnations. *Phytopathology* 41. 1951, 33.

Stoddard, E. M., and **Dimond, A. E.**, The chemotherapeutic control of Fusarium wilt of carnations. *Phytopathology* 41. 1951, 337—340, 1 fig.

Thomas jr., W. D., **Baker, R. R.**, and **Zoril, J. G.**, The use of ultraviolet light as a means of diagnosing carnation mosaic. *Science n. ser.* 113. 1951, 576—577.

Thomas jr., W. D., and **Daniels, L. B.**, The identity and vector of the carnation streak virus. *Colorado State Flower Growers Assoc. Bull.* 21. 1951, 1—2.

- Thomas jr., W. D., and Holtzmann, O. V.**, The possible role of manure in disseminating carnation wilt diseases. Colorado Flower Growers Assoc. Bull. 26. 1951, 4-5.
- Van der Want, J. P. H.**, Onderzoekingen over anjer-mozaiek, II. (Investigations on carnation mosaic, II.) Tijdschr. Plantenziekten 57. 1951, 72-74. (Inst. plantenziektenkdg. Onderz., Wageningen, Meded. nr. 16.)
- Venturi, F.**, Notulae dipterologicae. IV. Sulla attribuzione generica della *Pseudonapomyza dianthicola* Vent. (Dipt., Agromyzidae). »Redia«, Giorn. Ent., Firenze, 36 (2. ser.). 1951, 433-437.
- Wright, Ch. M.**, *Gomphrena globosa*, a local-lesion indicator plant for the carnation mosaic virus. Phytopathology 41. 1951, 945.
- Zoril, J. G.**, Microorganisms antagonistic to carnation Fusaria. J. Colorado-Wyoming Acad. Sci. 4. 1951, nr. 3, p. 62 (Abstr.).
- Compositae**
- Bailey, F. V.**, Observations on varietal resistance to Chrysanthemum rust. [Puccinia chrysanthemi] J. R. hortic. Soc., London, 76. 1951, 322-328, 2 fig.
- Beaumont, A.**, Cineraria diseases. Gard. Chron. 129. 1951, 108.
- Beaumont, A.**, Diseases of Marigolds. [Calendula officinalis] Gard. Chron. 129. 1951, 92-93.
- Beaumont, A.**, Diseases of Zinnias. Gard. Chron. 129. 1951, 13.
- Bewley, W. F., and Richards, A. A.**, Mosaic disease of the Chrysanthemum. Gard. Chron. 129. 1951, 20, 2 fig.
- Breakey, E. P., and Batchelor, G. S.**, Phyllody of Chrysanthemum and the Eriophyid mite, Paraphytosptus chrysanthemi Keifer. Ann. ent. Soc. Amer. 43 (1950). 1951, 492-494, 3 fig.
- Brierley, Ph.**, Chrysanthemum stunt. Nat. Chrysanthemum Soc. Bull. 7. 1951, 39-42.
- Brierley, Ph.**, Value of index plants for detecting Dahlia viruses. Plant Dis. Repr. 35. 1951, 405-407.
- Brierley, Ph., and Smith, F. F.**, Chrysanthemum stunt. [Virus] Florists' Rev. 107. 1951, nr. 2778, p. 27-30. — Florist and Nurseryman 63. 1951, nr. 49, p. 9-11, 96-99.
- Brierley, Ph., and Smith, F. F.**, Survey of virus diseases of Chrysanthemums. Plant Dis. Repr. 35. 1951, 524-526.
- Caldwell, J.**, Further observations on Chrysanthemum virus disease. [spotted wilt, cucumber mosaic, aspermy disease] Gard. Chron. 129. 1951, 141.
- Cardwell, I.**, Getting rid of Chrysanthemum midge. [Diathromomyia hypogaea] Grower, London, 36. 1951, 1349-1350.
- Ciferri, R.**, (Alternaria senecionis on Senecio cruentus.) Not. Mal. Piante nr. 15. 1951, 39-40.
- Ciferri, R.**, Segnalazioni dell' Alternaria senecionis Neerg. su Senecio cruentus. (Reports of Alternaria senecionis Neerg. on Senecio cruentus.) Not. Mal. Piante nr. 15. 1951, 39-40.
- Cox, C. E., and Lewis, C. E.**, A Fusarium bud rot of Chrysanthemums. Phytopathology 41. 1951, 560.
- Cruchet, P.**, Présence dans le canton de Vaud de la rouille du cerisier et d'une érysiphée sur un chrysanthème. [Puccinia cerasi, Erysiphe cichoracearum] Bull. Soc. vaud. sci. nat. 65. 1951, nr. 278, p. 41-47.
- Curwood, J. E.**, Chrysanthemum virus disease. Gard. Chron. 129. 1951, 179.
- Dimock, A. W.**, Current disease research. [bacterial disease of Chrysanthemum] Chrysanthemum Soc. Amer. Bull. 19. 1951, 27-28.
- Ehrenhardt, H.**, Versuche zur Vernichtung der Chrysanthemen-Gallmücke an einem neuen Herd in Süddeutschland. [Diathromomyia chrysanthemi] Nachr.bl. dtsh. Pfl.schutzd., Braunschwg., 3. 1951, 84-86.
- Fjeldalden, J.**, (Dahlia pests.) Gartneryrket (norw.) 41. 1951, 135-136.
- Fjeldalden, J.**, (Pests of Chrysanthemum.) Gartneryrket (norw.) 41. 1951, 817-821.
- Gjaerum, H. B.**, (Fungus and virus diseases of Dahlia.) Gartneryrket (norw.) 41. 1951, 137-138.
- Hickman, D. D., and Kamp, J. R.**, The effects of some graded deficiencies of nitrogen and potassium on the evolution of carbon dioxide by the roots of greenhouse Chrysanthemums. Proc. amer. Soc. hortic. Sci. 58. 1951, 333-342.
- Keller, J. R.**, Report on indicator plants for Chrysanthemum stunt virus and on a previously unreported Chrysanthemum virus. Phytopathology 41. 1951, 947-949, 1 fig.
- Kimball, M. H.**, Aster wilt (Fusarium oxysporum callistephi). Bloomin' News 3. 1951, nr. 6, p. 5-6.
- Kunkel, L. O.**, Yellows diseases of plants. [aster yellows] Bull. Torrey bot. Club 78. 1951, 269-270.
- Leib, E.**, Chrysanthemen-Gallmücke auf dem Vormarsch? [Diathromomyia chrysanthemi] Ztschr. Pfl.krankh. 58. 1951, 432-433.
- Lepine, P., Croissant, O., Cornuet, P., et Martin, C.**, Essais d'extraction du virus de la mosaïque du dahlia (Marmor Dahliae Holmes) et examen au microscope électronique des produits obtenus. Ann. Inst. Pasteur, Paris, 80. 1951, 669-672.

- Maramorosch, K.**, Serial passage of aster-yellows virus through the aster leafhopper. *Phytopathology* 41. 1951, 25.
- Marini, E.**, Segnalazione di virosi della Dalia nelle culture di produzione in Italia. *Not. Mal. Piante* nr. 17. 1951, 13—16.
- Mikkelsen, J. C.**, The control of damping-off in transplanting of *Chrysanthemum* cuttings. *Chrysanthemum Soc. Amer. Bull.* 19. 1951, nr. 4, p. 45—46.
- Nicholls, V. O.**, Wilt disease of *Dimorphotheca barberiae*. [*Fusarium lateritium*] *Trans. brit. mycol. Soc.* 34. 1951, 220—222, 3 fig.
- Noordam, D.**, (Virus diseases of *Chrysanthemums*.) *Vakbl. Bloemist.* 6. 1951, 298.
- Opstal, W. J.**, Resultaten van bespuitingen met parathion. [Blattälchen an *Chrysanthemen*] *Vakbl. Bloemisterij* 6. 1951, nr. 1, p. 6, fig., tab.
- Owen, O.**, Chlorate injury on young *Chrysanthemums*. *Gard. Chron.* 129. 1951, 188.
- Pritchard, A. E.**, and **Sciaroni, R. H.**, *Chrysanthemum* pests; new chemicals promising against two-spotted spider mite (*Tetranychus bimaculatus*) and aphids. [88 R (Aramite) and OMPA (octamethyl pyrophosphoramide)] *Calif. Agric.* 3. 1951, nr. 4, p. 10, 12.
- Ramsfjell, T.**, (*Chrysanthemum* diseases.) *Gartneryrket* (norw.) 41. 1951, 815—816.
- Savary, A.**, Les anguillules des chrysanthèmes. *Rev. Hortic. Suisse* 24. 1951, 72—76, 109—115, 5 fig., 2 tab. (Stat. Fed. Essais Vitic., Arboric., Chem. agric., Lausanne, Publ. 402. 1951.)
- Scott, E. L.**, Deterioration of varieties. [*Chrysanthemum* diseases] *Nat. Chrysanthemum Soc. Bull.* 7. 1951, 9—10.
- Servazzi, O.**, Prima segnalazione in Italia della *Entyloma dahliae* Syd. parassita delle dalia. (First report in Italy of *Entyloma dahliae* Syd., a parasite of dahlias.) *Mycopathologia* 6. 1951, 99—103, 1 tab.
- Skillman, E. E.**, *Chrysanth* virus needs roguing. *Grower*, London, 35. 1951, 65—66.
- Stautemas, E.**, (Parasites in *Chrysanthemum* culture.) [insects and diseases] *Tuinbouwberichten* (flem.) 15. 1951, 120—122.
- Sy, M.**, Ohrwürmer an Dahlien. *Gartenwelt* 51. 1951, 278.
- The *Cineraria* leaf-miner (*Phytomyza atricornis*). *New South Wales Dept. Agric. Insect Pest Leaf.* 87. 1951, 1 p.
- Diseases of *Chrysanthemums*.** *New South Wales Dept. Agric. Plant Dis. Leaf.* 118. 1951, 4 p.
- Diseases of Dahlias.** *New South Wales Dept. Agric. Plant Dis. Leaf.* 61. 1951, 4 p.
- Leaf spot of Gerberas.** *New South Wales Dept. Agric. Plant Dis. Leaf.* 64. 1951, 2 p.
- Cucurbitaceae**
- Jain, A. C.**, *Cercospora* leaf spot on *Cephalandra indica* Naud. *Sci. and Cult.* 16. 1950, 113—115.
- Porter, C. A.**, and **McWhorter, F. P.**, A virus from mosaic-diseased *Echinocystis* in Oregon. *Phytopathology* 41. 1951, 942—943.
- Ericaceae**
- Baillie, A. F. H.**, and **Jepson, W. F.**, Bud blast disease of the *Rhododendron* in its relation to the leaf-hopper *Graphocephala coccinea* Forst. [*Pycnosteanus* (*Pycnostysanus*) *azaleae*] *J. R. hort. Soc., London*, 76. 1951, 355—365, 2 fig., 1 tab.
- Boesman, G.**, (Isolations from *azalea*-leaves. 2nd communication.) [fungi] *Meded. Landbouwhoges.* Gent (flem.) 16. 1951, 177—202.
- Cory, E. N.**, The control of the pests of *azaleas*. [*Stphanitis pyrioides*, *Tetranychus bimaculatus*, *Aleyrodes azaleae*] *Maryland Gard.* 5. 1951, 10, 20—21.
- Pape, H.**, Eine Azaleen-Blütenkrankheit kommt nach Europa. [*Ovulinia azaleae*] *Gartenwelt* 51. 1951, 126, 2 Abb.
- Pape, H.**, *Sporocye*-Knospenfäule an *Rhododendron* in England. *Gartenwelt* 51. 1951, 158—159, 1 Abb.
- Stautemas, E.**, (*Azalea* diseases.) *Tuinbouwberichten* (flem.) 15. 1951, 56—58.
- Stautemas, E.**, (The gall disease of *azalea* (*Exobasidium azaleae* March.) *Tuinbouwberichten* (flem.) 15. 1951, 89—90.
- Thiel, J.**, (Fungus diseases of *Azalea indica* L.) *Cult. en Handel* 17. 1951, 494—496.
- Twigg, M. C.**, and **Link, C. B.**, Nutrient-deficiency symptoms and leaf analysis of *azaleas* grown in sand culture. *Proc. amer. Soc. hort. Sci.* 57. 1951, 369—375.
- Twigg, M. C.**, and **Link, C. B.**, Nutrient deficiency symptoms of *azaleas*. *Florists' Exch.* 116. 1951, nr. 15, p. 13.
- Yoshii, H.**, (On the two new species of *Monochaetia* on *azalea*.) (*Forsch. Pfl.krankh.*), Kyoto, 4. 1951, 180—183, 4 fig.
- Rhododendron* bud blast disease.** *Gard. Chron.* 130. 1951, 50.
- Euphorbiaceae**
- Ballusek, H. v.**, Nochmals: Unliebsame Gipfelverzweigungen bei *Poinsettien*. *Gartenwelt* 51. 1951, 392.
- Dimock, A. W.**, *Poinsettia* trouble as result of root rot. *Bull. N. York State Flower Grs.* 69. 1951, 4—8.

Geraniaceae

- Kristensen, H. R.**, (Pelargonium-mosaic disease.) Gartneryrket (norw.) 41. 1951, 221.
- Manigault, P., et Jussier, J.**, Techniques d'étude de la répartition de la phosphatase au cours du développement des tumeurs expérimentales chez Pelargonium zonale. Compt. rend. Soc. Biol., Paris, 145. 1951, 1788—1790.

Gesneriaceae

- Roberts, E.**, Leaf rot (*Botrytis cinerea*) of African violets. Afr. Violet Mag. 5. 1951, 13.
- Weiss, F. A.**, Invisible enemies of the African violet. Afr. Violet Mag. 5. 1951, 32, 66—68.

Iridaceae

- Aitkenhead, P.**, The gladiolus thrips — a pest new to Britain. [Taeniothrips simplex] Agriculture, J. Minist. Agric., London, 57. 1951, 517—523, 1 tab. geogr.
- Aitkenhead, P.**, Gladiolus thrips (*Taeniothrips simplex*) needs winter control. Grower, London, 35. 1951, 397.
- Baas, J.**, Achtet auf den Gladiolen-Blasenfuß! Südt. Erwerbsgärtner 5. 1951, Nr. 47, 1 S., 3 Abb.
- Baas, J.**, Der Gladiolen-Blasenfuß. Ein gefährlicher Schädling. Kleingärtner 5. 1951, Nr. 11, 1 S., 3 Abb.
- Bald, J. G.**, Diseases of gladiolus in southern California. Bull. north amer. Gladiolus Counc. 26. 1951, 107, 109—110.
- Bald, J. G.**, Short flower spikes on gladioli due to defective root systems. Plant Dis. Repr. 35. 1951, 506.
- Bald, J. G.**, Some experiments on curing and dipping gladiolus corms. Phytopathology 41. 1951, 935.
- Beaumont, A.**, Diseases of bulbous irises. Gard. Chron. 130. 1951, 73—74.
- Beaumont, A.**, Gladiolus corm rots. [Botrytis] Gard. Chron. 130. 1951, 140—141.
- Berkeley, G. H.**, Gladiolus viruses. Phytopathology 41. 1951, 3. — Proc. canad. phytopath. Soc. nr. 19. 1951, 13—14 (Abstr.).
- Boettcher, I.**, Blasenfüße schädigen Gladiolen. Gartenwelt 51. 1951, 298, 1 Abb.
- Bridgmon, G. H.**, Gladiolus as a virus reservoir. Phytopathology 41. 1951, 5.
- Carlson, R. F., Moulton, J. E., and Krone, P. R.**, Further developments in weed control in gladiolus. Michigan agric. Exp. Stat. Quart. Bull. 33. 1951, 269—274.
- Courtney, W. D., and Gould, Ch. J.**, Tolerance of wedge-wood iris bulbs to a hot-water-formalin treatment. Phytopathology 41. 1951, 40—45.
- Forsberg, J. L.**, 1950 data summary on cooperative glad corm treatment experiment. Bull. north amer. Gladiolus Counc. 26. 1951, 97, 99, 101—103, 105—106.

- Foster, A. A.**, How to tell bad ones from worse ones. [virus, bacterial and fungus diseases of gladiolus] Gladiolus Book (Maine Gladiolus Soc.) 1951, 55—57, 59, 61—64.
- Foster, A. E.**, Non-human parasites of gladiolus. Gladiolus (New England Gladiolus Soc.) 26. 1951, 91—99.
- Goodey, J. B.**, The potato tuber nematode, *Ditylenchus destructor* Thorne, 1945; the cause of eelworm disease in bulbous iris. Ann. appl. Biol. 38. 1951, 79—90, 2 tab.
- Gould, Ch. J.**, Gladiolus dry rot tests in Western Washington. [Sclerotinia gladioli] Gladiolus Mag. 15. 1951, nr. 3, p. 2, 76.
- Halliday, H. E.**, Where do we go in gladiolus disease control. Wisconsin Hortic. 42. 1951, 121.
- Hamilton, C. C.**, Gladiolus pests. Bull. north amer. Gladiolus Counc. 25. 1951, 97.
- Hastings, R. J.**, The nematode disease of bulbous iris; studies of symptomology and varietal susceptibility. Northwest. Bulb Growers Assoc. Proc. Bulb Growers Short Course 4. 1951, 37—41.
- Holloman jr., A., and Young, R. A.**, Evaluation of fungicides for control of the leaf-spot disease of gladiolus caused by *Botrytis gladiolorum* Timmermans. Plant Dis. Repr. 35. 1951, 456—458.
- Holloman jr., A., and Young, R. A.**, Selection by laboratory assay of fungicides for field control of *Botrytis* leaf spot of gladiolus. Phytopathology 41. 1951, 940.
- Jenkins jr., J. M.**, Chemical weed control in gladiolus. Down to Earth 7. 1951, nr. 2, p. 5.
- McClellan, W. D.**, Temperature and humidity in relation to disease development in gladiolus. Gladiolus (New England Gladiolus Soc.) 26. 1951, 112—117.
- MacLean, N. A.**, Gladiolus smut. Phytopathology 41. 1951, 941.
- Magie, R. O.**, Botrytis and Curvularia diseases of gladiolus. Bull. north amer. Gladiolus Counc. 27. 1951, 85—90, 6 fig.
- Magie, R. O.**, Limitations of resistance to gladiolus Fusarium disease. Gladiolus Mag. 15. 1951, nr. 4, p. 2, 36—38.
- Magie, R. O.**, Soil-minor element deficiencies. [Gladiolus] Gladiolus Mag. 15. 1951, nr. 4, p. 18—21, 3 fig.
- Magie, R. O.**, Stunt, wilt equal corm rot in gladiolus. [Fusarium] Florists' Exch. 117. 1951, nr. 4, p. 8, 41.
- Magie, R. O.**, What resistance to Fusarium disease means. Bull. north amer. Gladiolus Counc. 27. 1951, 81, 83—84.
- Mickel, C. E.**, Gladiolus thrips. Gladiolus Fan 5. 1951, nr. 2, p. 19—21.
- Pape, H.**, Der neue Gladiolenschädling und seine Bekämpfung. Pflanze u. Garten 1. 1951, 25—26.

- Pape, H.**, Schäden durch den Gladiolenblasenfuß in Deutschland. [Taeniothrips simplex] Nachr.bl. dtsh. Pfl.schutzd., Braunschweig, 3. 1951, 19—20, 2 Abb.
- Plate, H.-P.**, Der Gladiolen-Thrips, ein Großschädling im Berliner Erwerbsgartenbau. Mitt.bl. Landesverb. Gartenbau, Landw. Berlin 1. 1951, 157.
- Robertson, N. F.**, Disease control in gladiolus growing. Gard. Illustr. 68. 1951, 298—299.
- Robertson, N. F.**, Further investigations of the Fusarium yellows disease of gladioli. Brit. Gladiolus Soc., Harrow, 1951?, 7 p.
- Roistacher, Ch. N.**, Hot-water treatment of gladiolus cormels. Phytopathology 41. 1951, 943.
- Schaefer, E. E.**, and **Anderssen, E. E.**, Gladiolus diseases and pests. Farming South Afr. 26. 1951, 161—162.
- Scurti, J.**, Sulla *Pseudomonas marginata* del gladiolo. Inst. Sperim. Chim. agr. Torino 17. 1949—1951, 119—126, 2 tab.
- Sennels, N. J.**, The cultivated species of *Freesia*. [diseases and insect pests] J. E. Ohlsens Enke, Copenhagen 1951. 64 p., 31 fig.
- Simmons, S. A.**, *Alternaria* leaf spot of gladiolus. Plant Dis. Repr. 35. 1951, 333—334, 2 fig.
- Speyer, E. R.**, Gladiolus thrips (*Taeniothrips simplex* Mor.) in England. Proc. R. ent. Soc. London (B) 20. 1951, nr. 5—6, p. 53—62, 7 fig.
- Van den Bruel, W. E.**, Le thrips du glaieuf. [Taeniothrips simplex] Rev. Agr. 4. 1951, 257—270.
- The gladiolus thrips (*Taeniothrips simplex*). New South Wales Dept. Agric. Insect Pest Leaf. 55 (rev.). 1951, 3 p.
- Liliaceae**
- Bonstedt, C.**, Lilien, Aufzucht, Kultur und Züchtung. [Schädlinge] Süddtsch. Erwerbsgärtner 5. 1951, 63—64, 83—84, 127—128, 157—158, 166—167, 177—178.
- Carrell, W. S.**, and **Dahne, B.**, The Talquin plan. Is there an antidote for the deadly green poison that is spreading slowly over the face of Florida? A few private citizens had remarkable success with the Talquin plan. Will it help eradicate hyacinths in your home county? Florida Wildlife 5. 1951, nr. 8, p. 6—8, 25.
- Hilton, C. T.**, Experiments with 2,4-D on lilies with a virus disease. Amer. Lily Yearb., Washington, 4. 1951, 43—44.
- MacLean, N. A.**, Botrytis on lilies. Phytopathology 41. 1951, 941.
- McWhorter, F. P.**, and **Anderson, C. J.**, Diseases in croft lily plantings, 1949—50. Plant Dis. Repr. 35. 1951, 106—108, 1 fig.
- McWhorter, F. P.**, and **Brierley, Ph.**, Anatomical symptoms useful in diagnosis of lily rosette. Phytopathology 41. 1951, 66—71, 1 fig.
- Plakidas, A. G.**, The black scale disease (*Colletotrichum lili*) of lily bulbs. Amer. Lily Yearb., Washington, 4. 1951, 39—43.
- Plakidas, A. G.**, Comparative pathogenicity of two *Colletotrichums* on Easter-lily bulbs. Phytopathology 41. 1951, 29.
- Pussard, R.**, Un mollusque endogé, *Caecilioides acicula* Müller, ravageur méconnu d'*Asparagus plumosus* Bak. Compt. rend. Acad. Agric. France 37. 1951, 82—84.
- Richardson, H. H.**, and **Spruyt, F. J.**, Quarantine treatments to control golden nematode cysts adhering to lily-of-the-valley pips: progress report with special reference to plant tolerance. (Convallaria sp.) Plant Dis. Repr. 35. 1951, 519—521, 1 fig.
- Roberts, A. N.**, **Stephenson, R. E.**, and **Wadsworth, S. E.**, Croft lily scorch related to nutrients. South. Florist, Nurseryman 64. 1951, nr. 32, p. 85—89, 92—94.
- Servazzi, O.**, Botrytis elliptica (Berk.) Cooke parassita dei gigli in Italia. (Botrytis elliptica (Berk.) Cooke parasitic on lilies in Italy.) Ann. Sperim. agr., Roma, n. ser. 5. 1951, 1139—1154, 2 fig.
- Sirai, T.**, (Gist of quarantine on exporting lilies.) Jap. J. Plant Prot. 23. 1951, 20—22.
- Enkele grondviren die tulpen aantasten.** Bloemisterij 9. 3. 1951.
- Malvaceae**
- Dutt, N.**, **Mukherjee, P. K.**, and **Gupta, N. S.**, Preliminary observations on the incidence of *Phenacoccus hirsutus* Gr. and its effect on the growth of *Hibiscus sabdariffa* Linn. var. *altissima* Hort. Indian J. agric. Sci. 21. 1951, 231—237.
- James, M. O.**, and **Plakidas, A. G.**, Foot rot of Chinese *Hibiscus*. Phytopathology 41. 1951, 19.
- Srivastava, H. C.**, Damping-off in hollyhocks. Sci. and Cult. 17. 1951, 91—92, 1 fig.
- Oleaceae**
- Blumer, S.**, Das epidemische Auftreten eines Oidiums auf *Syringa vulgaris* L. Phytopath. Ztschr. 17. 1951, 478—488, 2 Abb.
- Fabricatore, J. A.**, Alterazioni su foglie di *Trachelospermum* (*Rhynchospermum*) *jasminoides* Lem. (Alterations in the leaves of *Trachelospermum* (*Rhynchospermum*) *jasminoides* Lem.) [Deuteromycetes *Sphaeropsidales*] Ann. Sperim. agr., Roma, n. ser. 5. 1951, 537—540, 1 tab. — Boll. Staz. Pat. veg. 9 (3. ser.). 1951, 13—16, 3 fig.
- Nikolić, V.**, (A virus disease of lilacs (*Syringa vulgaris* L.)) Plant Prot., Beograd, 1. 1951, nr. 3, p. 71—72, 1 fig.

Orchidaceae

- Alvarez García, L. A.**, A new disease of orchids in Puerto Rico: Pythium black rot. J. Agric. Univ. Puerto Rico 35. 1951, 126—135, 8 fig.
- Ark, P. A.**, California orchids resistant to some diseases in habitat become susceptible in greenhouse. Calif. Agric. 5. 1951, nr. 2, p. 7, 14, 4 fig.
- Airk, P. A.**, and **Snyder, W. C.**, Black spot of Vanda orchids. Plant Dis. Reprtr. 35. 1951, 43—44.
- Ark, P. A.**, and **Starr, M. P.**, Bacterial diseases of Cypripediums and Miltonias. Orchid Digest 15. 1951, 16—17.
- Ark, P. A.**, and **Starr, M. P.**, Bacterial diseases of orchids. Plant Dis. Reprtr. 35. 1951, 42—43.
- Ark, P. A.**, and **Starr, M. P.**, Bacterial leaf scorch and pseudobulb rot of Miltonia. Bull. Pacific Orchid Soc. Hawaii 9. 1951, 128—129, 1 fig.
- Barns, F.**, Weighty problems simplified. [weight tables for spray formulas] Orchid Digest 15. 1951, 167—168.
- Blowers, J. W.**, The orchid houses: Diseases. — Spot disease. — Wet rot. — Brown rot. — Gard. Chron. 130. 1951, 109.
- Blowers, J. W.**, The orchid houses: Insect pests. — Thrips. — Red spider. Gard. Chron. 130. 1951, 23.
- Blowers, J. W.**, The orchid houses: Thrips; control measures; other pests. Gard. Chron. 129. 1951, 83.
- Cory, E. N.**, Orchid pests and their control. [insects] Nat. Capital Orchid Soc. Bull. 5. 1951, 13—15.
- De Figueiredo jr., E. R.**, and **Lepage, H. S.**, (Larva of »miners« (Agromyza orchidearum) of roots of Orchidaceae.) Biológico, São Paulo, 17. 1951, 196—199.
- De Figueiredo jr., E. R.**, and **Lepage, H. S.**, (Red mite of orchids.) [Tenuipalpus species on Laelia and Cattleya] Biológico, São Paulo, 17. 1951, 139—141.
- Feder, W. A.**, Control of the fungal complex causing transit rot of Vanda orchid blossoms. Phytopathology 41. 1951, 938.
- Feder, W. A.**, Yellow bud blight, a disease of Vanda Joaquim (orchids) in Hawaii. Hawaii. agric. Exp. Stat. Progr. Notes 62. 1951, 5 p.
- Feder, W. A.**, Yellow bud blight, a foliar nematode disease of Vanda Miss Joaquim orchids. Phytopathology 41. 1951, 938—939.
- Flitters, N. E.**, Vanda »Miss Agnes Joaquim« a host of Dacus dorsalis. J. econ. Ent. 44. 1951, 799—802, 2 fig.
- Gold, A. H.**, and **Jensen, D. D.**, An electron microscope study of Cymbidium mosaic virus. [on orchids] Amer. J. Bot. 38. 1951, 577—578, 2 fig.
- Jensen, D. D.**, Mosaic or black streak disease of Cymbidium orchids. Phytopathology 41. 1951, 401—414, 3 fig.

- Jensen, D. D.**, and **Gold, A. H.**, A virus ring spot of Odenoglossum orchid: symptoms, transmission and electron microscopy. Phytopathology 41. 1951, 648—653, 3 fig.
- Murakishi, H. H.**, Plant pathology with special reference to orchid diseases and their control. Pua Okika Hawaii Nei 1. 1951, 39—44.
- Otanes, F. Q.**, Control of grubs (Leucopholis irrorata) attacking Spathoglottis. Philippine Orchid Rev. 4. 1951, nr. 2, p. 27—28.
- Pritchard, A. E.**, Orchid mites and their control. [Tenuipalpus, Brevipalpus, Tetranychus] Orchid Digest 15. 1951, 68—70.
- Reyes, G. M.**, Black leaf spot of Phalaenopsis. Philippine Orchid Rev. 4. July 1951, 13—16.
- Rosberg, D. W.**, Blossom and leaf mottle of orchids. Ohio State Univ. Abs. Doct. Diss. 61. 1951, 405—411.
- Vieira, R.**, (The »black aphid« of orchids, Cerataphis lataniae Boissduval.) Frutas Madeira (portug.) 11. 1951, 129—130, 132.
- Weinthal, F. A.**, Mosaic. Austr. Orchid Rev. 16. 1951, 90.
- Ziegler, H.**, Verwendung von Penicillin zum Reinigen infizierter Orchideenkulturen. Arch. Mikrobiol. 16. 1951, 363.

Primulaceae

- Böhnert, Zur Frage der Cyclamen-Welke.** Mitt.bl. Landesverb. Gartenbau, Landw. Berlin 1. 1951, 185.
- Bosch, E.**, Die Cyclamenwelke, eine für die Schweiz neue Krankheit. [Fusarium oxysporum var. aurantiacum] Schweiz. Gärtnerzeitg. Nr. 26. 1951, 1 S., 1 Abb.
- Hörich, K.**, Die Ampfereule, ein noch wenig bekannter Cyclamenschädling. [Acronycta rumicis] Gartenwelt 51. 1951, 403—404, 2 Abb.
- Holtzmann, O. V.**, and **Thomas jr., W. D.**, Determinative studies of the cause of Cyclamen stunt. J. Colorado-Wyoming Acad. Sci. 4. 1951, nr. 3, p. 63 (Abstr.).
- Jaenichen, H.**, und **Heimann, M.**, Milben auf Cyclamen. [Tarsonemus pallidus] Gartenwelt 51. 1951, 241—242, 3 Abb.
- Loosjes, F. E.**, Enige proeven met bestrijdingsmiddelen tegen de larve van de lapsnuittor (taxuskever), schadelijk aan cyclamenplanten. [Otiorynchus sulcatus] Tijdschr. Plantenziekten 57. 1951, 38—42.
- Pape, H.**, Zum Milbenbefall der Cyclamen. [Tarsonemus pallidus] Gartenwelt 51. 1951, 350, 1 Abb.
- Richter, H.**, Warum mißraten unsere Cyclamen? Mitt.bl. Landesverb. Gartenbau, Landw. Berlin 1. 1951, 55—56.

Richter, H., Wie steht es um die Cyclamenwelke? [*Fusarium oxysporum*] Gartenwelt 51. 1951, 224—225, 2 Abb.

Schütz, F., Einige Krankheiten und Schädlinge unserer Primeln. Gärtnermeister 54. 1951, 41—42.

Ranunculaceae

Arx, J. A. v., en **Noordam, D.**, Valse meeldauw (*Peronospora pulveracea* Fuckel) op *Helleborus niger*. Tijdschr. Plantenziekten 57. 1951, 32—34, 1 fig., 1 tab. (Inst. plantenziektenkdg. Onderz., Wageningen, Meded. nr. 9).

Gäumann, E., et **Landolt, E.**, Une rouille nouvelle pour la flore française. [*Puccinia schelliana* sur *Anemone narcissiflora*] Rev. Mycol. 16. 1951, 78—79.

Limber, D. P., New records of *Coniothyrium Hellebori* in the United States. Plant Dis. Repr. 35. 1951, 277.

Ohlander, M. C., and **Watson, D. P.**, Experimental storage of cut peony flowers. [*Fusarium* sp., *Alternaria humicola*] Proc. amer. Soc. hortic. Sci. 58. 1951, 371—376, 2 fig.

Pape, H., Krankheiten der Christrose und ihre Bekämpfung. Gartenwelt 51. 1951, 408—409, 7 Abb.

Rosaceae

Allen, R. C., Hardiness and winter protection. Amer. Rose Mag. 9. 1951, nr. 10, p. 4—6.

Aragaki, M., and **Hendrix, J. W.**, Control of black spot of rose by spraying. Hawaiian agric. Exp. Stat. Progr. Notes 70. 1951, 4 p.

Ark, P. A., and **MacLean, N. A.**, Botrytis and blight of tuberoses in California. [*Polianthes tuberosa* L.] Plant Dis. Repr. 35. 1951, 45—46, 1 fig.

Blair, K. G., *Eupelmus eurozenus* Dahlb. (Hym., Chalcididae) in galls of *Rhodites rosae* L. (Hym., Cynipidae). Entomologist's monthly Mag., London, 87. 1951, 174—175.

Blauvelt, W. E., Spider mites (*Tetranychus bimaculatus*) and their control. Amer. Rose Ann. 36. 1951, 149—162.

Bugbee, R. E., New and described parasites of the genus *Eurytoma* Illiger from rose galls caused by species of the cynipid genus *Diplolepis* Geoffroy (Hymenoptera: Eurytomidae). Ann. ent. Soc. Amer. 44. 1951, 213—261.

Carrier, L. E., Freezing studies of outdoor roses. Amer. Rose Ann. 36. 1951, 191—193.

Carrier, L. E., A study of methods of determining the extent of frost injury of roses. Proc. amer. Soc. hortic. Sci. 58. 1951, 350—356.

Coomey, M. J., A little more work-less blackspot. Amer. Rose Mag. 9. 1951, nr. 8, p. 18—19.

Dimock, A. W., Bud transmission of *Verticillium* in roses. Phytopathology 41. 1951, 781—784.

English, L. L., and **Statler, S. S.**, Steam-pipe fumigants show promise for the control of resistant spider mites on roses. [*Tetranychus bimaculatus* control by p-chlorophenyl-p-chlorobenzene sulfonate] Florist's Rev. 108. 1951, nr. 2785, p. 23—27, 31.

Gentile, A. C., A study of the toxin produced by an isolate of *Botrytis cinerea* from *Exochorda*. Physiol. Plant. 4. 1951, 370—386, 2 fig.

Green, D. E., Rose canker (*Coniothyrium* spp.). Rose Ann. (Nat. Rose Soc.) 1951, 81—84.

Hamblin, S. F., Black-spot of roses must be avoided! Nat. hortic. Mag. 30. 1951, 130—132.

Jenkins, A. E., Records of rose anthracnose in Rhode Island. [*Sphaceloma rosarum*] Plant Dis. Repr. 35. 1951, 511.

Jenkins, A. E., and **Dearness, J.**, Spot anthracnose observations at London, Ontario, August 1951. [*Sphaceloma rosarum* (Pass.) Jenkins] Plant Dis. Repr. 35. 1951, 460.

Joachim, F., és **Josepovits, G.**, Új irány a bundásbogár elleni védekezésben. (Les nouvelles voies de la défense contre l'*Epicometis hirta* Pod.) Mezőgazdasági kísérletiügyi központ évkönyvéből 3. 1951, 128—139.

Kunert, J., Rosenkrebs (*Agrobacterium tumefaciens*) — Markenetikett. Gartenbauwirtschaft 1951, 14.

Kupriianova, V. D., (How to control powdery mildew on roses.) Sad i Ogorod (Orchard and Garden) 12. 1951, 63—64.

Maclellan, W. D., and **Smith, F. F.**, Karathane for controlling two-spotted spider mites and powdery mildew on roses. Phytopathology 41. 1951, 563.

MacLean, N. A., and **Baker, K. F.**, Downy mildew of roses. [*Peronospora sparsa*] Roses, Inc. Bull. nr. 160. April 1951, 5—6.

MacLean, N. A., and **Sciaroni, R. H.**, Greenhouse roses; control of powdery mildew and rust on certain varieties in Bay Area. [*Sphaerotheca pannosa*, *Phragmidium mucronatum*] Calif. Agric. 5. 1951, nr. 4, p. 9.

Massey, L. M., Keeping roses healthy! [spraying equipment] Amer. Rose Mag. 9. 1951, nr. 4, p. 32—35.

Massey, L. M., Le secret des ... roses sans défaut. Phytoma, Paris, 4. 1951, nr. 25, p. 25—26.

Oknina, E. Z., and **Markovič, A. A.**, (Wege zur Erhöhung der Frostfestigkeit der Rose (*Rosa gallica* L.)) Izv. Akad. Nauk USSR. (ser. Biol.) nr. 1. 1951, 107—114.

Orlick, J., Through hail and high water. Amer. Rose Mag. 9. 1951, nr. 9, p. 5—6.

Pape, H., Wichtigste Krankheiten und Schädlinge [an Treibrosen] Gartenwelt 51. 1951, 318.

Pussard, R., Les buprestes du rosier de mai. [*Agrilus* spp., *Coraeus rubi*] Compt. rend. Acad. Agric. France 37. 1951, 265—266.

Rath, Die wichtigsten Schädlinge der Rosen. Illustr. Flora 74. 1951, 135—138.

Rosenstiel, R. G., Life history and control of the cotoneaster webworm (Cremona cotoneastri). Oregon agric. Exp. Stat. Circ. Inform. 492. 1951, 3 p.

Schenk, H., *Viscum album* L. auf Cotoneaster. Leben u. Umwelt 7. 1951, 261—263.

Smay, F., Enemies of the rose; insects and diseases. Green Thumb (Denver) 8. 1951, nr. 5, p. 32—33.

Smith, F. F., Rose pests in greenhouses. Amer. Assoc. econ. Ent. (North. Centr. States Branch) Proc. 6. 1951, 114—115.

Stevens, H. N., Spraying and dusting. Amer. Rose Mag. 9. 1951, nr. 6, p. 4—7.

Stone, A., The Rhagoletis of roses (Diptera, Tephritidae). [R. basiola, R. alternata] Ent. Soc. Washington Proc. 53. 1951, 45—48.

Thomas jr., W. D., and Holtzmann, O. V., Studies on the control of powdery mildew of roses. Colorado Flower Growers Assoc. Bull. 25. 1951, 1—3.

Wilson, G. F., The clay-coloured weevil (Brachyrrhinus singularis). Rose Ann. (Nat. Rose Soc.) 1951, 144—145.

Yarwood, C. E., and Wilhelm, St., Downy mildew on rose in California. [Peronospora sparsa] Plant Dis. Repr. 35. 1951, 56.

The white rose scale (Aulacaspis rosae). New South Wales Dept. Agric. Insect Pest Leaf. 68. 1951, 2 p.

Saxifragaceae

Ciferri, R., (Mosaic with curling of Hydrangea in Italy.) Riv. Ortoflorofruttic. Ital. 35. 1951, 185—188.

Pape, H., Viruskrankheiten auch bei Hortensien? Gartenwelt 51. 1951, 137—138, 4 Abb.

Scrophulariaceae

Dimock, A. W., and Baker, K. F., Effect of climate on disease development, injuriousness, and fungicidal control, as exemplified by snapdragon rust. [Puccinia antirrhini] Phytopathology 41. 1951, 536—552, 3 fig.

Tarjan, A. C., Pathological behavior of root-knot nematode on snapdragon. Phytopathology 41. 1951, 566.

Thomas, C. A., Anthracnose of Digitalis. Phytopathology 41. 1951, 997—1000.

Tokushige, Y., (Witches'-broom disease of Paulownia. The study on some enzyme in diseased and healthy leaves.) Jap. Forestry Soc. Trans. 59. 1951, 150—151.

Tokushige, Y., Witches'-broom of Paulownia tomentosa L. J. Kyushu Univ. Fac. Agric. 10. 1951, 45—67.

Verona, O., Breve storia della ruggine dell'antirrhino. Agric. ital. (Tornar-Pisa) 51. 1951, 196—203.

Verona, O., Short history of Antirrhinum rust (Puccinia antirrhini Dietel and Holway). Pisa Univ. Osserv. Region. Fitopat. Bull. Tecn. 4. 1951, 8 p.

Diseases of Antirrhinums. New South Wales Dept. Agric. Plant Dis. Leaf. 110. 1951, 5 p.

Solanaceae

Boyd, A. E. W., Susceptibility of Solanum curtilobum to Spongospora subterranea (Wallr.) Johnson. Nature, London, 167. 1951, nr. 4245, p. 412.

Taylor, A. L., and Chitwood, B. G., Root knot susceptibility of Lycopersicon peruvianum. [Meloidogyne] Plant Dis. Repr. 35. 1951, 97.

Theaceae

Faver, A. R., The value of birds in a camellia garden. [insect control] Camellian 2. 1951, 46, 55—57.

Funchess, M. J., Cold damage to camellias, winter of 1950—51. Alabama agric. Exp. Stat. Circ. 107. 1951, 19 p.

Matthews, V. D., Camellias make fine food for insects and fungi. Camellian 2. 1951, 40—42.

Sawada, G., Cold damage to camellias. Camellian 2. 1951, 20—21.

West, E., Notes on camellia diseases. Florida State hortic. Soc. Proc. 63 (1950). 1951, 200—203.

Tropaeolaceae

Arx, J. A. v., Ein neuer, parasitärer Ascomycet aus Südamerika. [Rosenscheldiella tropaeoli] Acta Bot. Neerl. 3. 1954, 401—404, 1 fig.

Ciferri, R., Segnalazione del mosaico del tropeolo (Tropaeolum) in Italia. Not. Mal. Piante nr. 15. 1951, 16.

Violaceae

Beaumont, A., Diseases of violas and pansies. Gard. Chron. 130. 1951, 33—34.

Beaumont, A., Diseases of violets. Gard. Chron. 129. 1951, 197.

Varia

Ackermann, E., Pflanzenschutzliche Beobachtungen bei der Besichtigung der Nelken-, Rosen- und Mimosenkulturen an der italienischen und französischen Riviera. Pflanzenschutz, München, 3. 1951, 154—157, 6 Abb.

Baxter, J. W., and Cummins, G. B., A monograph of species of Puccinia occurring on Salvia in North America. Lloydia, Cincinnati (Ohio), 14. 1951, 201—230, 26 fig.

- Baxter, J. W., and Cummins, G. B.**, *Polioma Arth.*, a valid genus of the Uredinales. [Labiateae, Geraniaceae] Bull. Torrey bot. Club 78. 1951, 51—55, 4 fig.
- Boothroyd, C. W.**, A new leaf spot of *Celastrus scandens* L., the climbing bittersweet. [Marssonina] Mycologia, Lancaster, 43. 1951, 373—375, 1 fig.
- Cottier, W., and Jacks, H.**, On grape-vines in glass-houses; control of red spider mite (*Tetranychus* spp.) by azobenzene. Orchardist New Zealand 24. 1951, nr. 10, p. 5.
- Doutt, R. L.**, Biological control of mealybugs infesting commercial greenhouse gardenias. [Exochomus flavipes, Anagyrus kivuensis et Chrysopa californica against *Pseudococcus citri* and *Metaphycus helvolus* et *Encyrtus infelix* against *Saissetia hemisphaerica*] J. econ. Ent. 44. 1951, 37—40, 1 fig.
- English, L. L.**, Sodium selenate soil treatments for chrysanthemum and carnation pests. J. econ. Ent. 44. 1951, 208—215, 2 fig.
- Gualaccini, F.**, 'Mal bianco' del lilà (*Syringa vulgaris* L.). (Powdery mildew of lilac (*Syringa vulgaris* L.)) [*Oidium syringae*] Boll. Staz. Pat. veg., Roma, 7 (ser. 3) (1949). 1951, 199—203.
- Harvey, J. M.**, An anthracnose disease of *Umbellularia californica*. Madroño (Calif.) 11. 1951, 162—171, 2 tab.
- Jefferson, R. N., and Eads, C. O.**, Control of aphids transmitting stock mosaic. [*Matthiola incana* var. *annua*] J. econ. Ent. 44. 1951, 878—882.
- Kerr jr., T. W.**, Ornamental insect control. 1. Holly leaf miner (*Phytomyza ilicis*). Rhode Island agric. Exp. Stat. Misc. Publ. 40—41. 1951, 4 p.
- Libowitzky, J. A.**, Eine Degenerationserscheinung bei *Ficus elastica*? Ill. Flora 74. 1951, 87—88.
- Madden, E. A.**, Manuka blight; advantages and disadvantages of infection. [Leptospermum attacked by mealybug] Massey agric. Coll. Sheepfarming Ann. 4. 1951, 167—170.
- Mahmud, K. A., and Jain, A. C.**, Damping-off of *Ipomoea pulchella* Roth, due to *Pythium aphanidermatum* (Eds.) Fitz. Sci. and Cult., Calcutta, 16. 1951, 526.
- Plate, H.-P., und Frömming, E.**, Untersuchungen über das Verhalten von Landlungenschncken gegenüber einigen Liliaceae, Amaryllidaceae und Iridaceae. Ztschr. hyg. Zool. 39. 1951, 145—156, 3 Abb.
- Schenk, P. J.**, (Winter spraying in the villa garden. 3. *Buxus* und *Azalea mollis*.) [*Psylla buxi*, *Phyllocoptes azaleae*] Vakbl. Bloemisterij 6. 1951, 12.
- Smith, F. F., and Brierley, Ph.**, Aster yellows in canna. Phytopathology 41. 1951, 190—191.
- Tompkins, C. M., and Tucker, C. M.**, Stem and root rot of *Daphne odora* caused by *Phytophthora parasitica*. Phytopathology 41. 1951, 654—655.
- Toole, E. R.**, A southeastern problem: *Mimosa* (*Albizzia julibrissin*) wilt. [*Fusarium*] Plants and Gard. 7. 1951, 144—145.
- Weber, G. F., and Roberts, D. A.**, Silky threadblight of *Elaeagnus pungens* caused by *Rhizoctonia ramicola* n. sp. Phytopathology 41. 1951, 615—621, 2 fig.

10. Tropische Nutzpflanzen

Tropical commercial plants — Plantes tropicales du commerce

a. Allgemeiner Teil

General part — Partie générale

- Bouriquet, G.**, Possibilités d'emploi en territoire français d'Outre-Mer de l'avion et l'hélicoptère dans la lutte contre les parasites végétaux des plantes cultivées. Phytoma, Paris, 4. 1951, nr. 22, p. 6—10, 5 fig.
- Crandall, B. S., Guiscafré-Arrillaga, L., Abrego, L., y Bailey, V. D.**, Manual de enfermedades de cultivos tropicales. Centr. Nac. Agron. Bull. Técn. 9. 1951, 63 p.
- Ebeling, W.**, Subtropical entomology. Lithotype Process Comp., San Francisco 1951. 2. ed., IX + 747 p., 570 fig.
- Govinda Rao, P.**, Control of plant diseases in the northern region of the Madras State in the year 1949—50. Plant Prot. Bull., New Delhi, 3. 1951, nr. 1, p. 21—22.
- Martyn, E. B.**, Diseases of economic plants in Trinidad and Tobago. J. agric. Soc. Trinidad, Tobago 51. 1951, 475—491, 493—494, 496—506.
- Mehta, P. R.**, Observations on new and known diseases of crop plants of the Uttar Pradesh. Plant Prot. Bull., New Delhi, 3. 1951, nr. 2, p. 7—12.
- Patel, M. K., Bhatt, V. V., and Kulkarni, Y. S.**, Three new bacterial diseases of plants from Bombay. [on *Lawsonia alba*, *Tamarindus indica*, *Euphorbia pulcherrima*] Curr. Sci. 20. 1951, 326—327.
- Storey, H. H.**, Basic research in agriculture. A brief history of research at Amani 1928—1947. East afr. Agric., Forestry Res. Org., Kenya [1951], 24 p., 7 tab.
- Vasudeva, R. S.**, Incidence of important diseases in some of the important economic crops at the Indian Agricultural Institute and its sub-station at Karnal during 1949—50, 1950—51. Plant Prot. Bull., New Delhi, 3. 1951, 13—15, 112—115.

b. Baumwolle — Cotton — Coton

Allgemeiner Teil

General part — Partie générale

- Ahmad, T., Qaiyum, M. A., and Hasnain, S. Z., Cotton insect pests and diseases of cotton. In: Yusuf, M., Pakistan Cotton and Textiles Manual, Renaissance Publ. (Karachi?) 1951, 21—24.
- Arant, F. S., Cotton poisons for 1951. Progr. Farmer (Georgia-Alabama-Florida Ed.) 66. 1951, nr. 3, p. 148, 150.
- Arant, F. S., Research highlights in 1951. Cotton Insect Control Conf. Proc. 5. 1951, 21—26.
- Aycock, R., and Arndt, C. H., Notes on the incidence of the diseases of cotton in South Carolina in 1950. Plant Dis. Reprtr. 35. 1951, 204—206.
- Bernaux, P., Une maladie du cotonnier dans le Languedoc. Progr. agric., vitic. 136. 1951, 285—287.
- Brinkerhoff, L. A., Cottonseed treatment for Oklahoma. Oklahoma agric. Exp. Stat. Mimeogr. Circ. M-216. 1951, 3 p.
- Butler, E., Breeding health into sick cotton. Progr. Farmer (Texas Ed.) 66. 1951, nr. 12, p. 16—17, 106.
- Dean, J. D., Chemical treatment gives cotton high resistance to rot and heat. U.S. agric. Res. Admin., Res. Achvt. Sheet 136 (C). 1951, 2 p.
- Elliott, F. C., Help insure good yields by seed treatment. Progr. Farmer (Texas Ed.) 66. 1951, nr. 2, p. 10, 123.
- Jones, G. D., Developing a continuing educational program. Cotton Insect Control Conf. Proc. 5. 1951, 45—52.
- Marsh, P. B., Guthrie, L. R., and Butler, M. L., The influence of weathering and of microorganisms on the aqueous-extract pH of cotton fiber. [fungi] Text. Res. J. 21. 1951, 565—579, 4 fig.
- Ordish, F. G., 'Agroicide' cotton dusts. [benzene hexachloride preparation] Plant Prot. Overseas Rev. 2. 1951, 33—34.
- Tharp, W. H., Interrelationship of insect control, defoliation, and cultural practices. Cotton Gin, Oil Mill Press 52. 1951, nr. 5, p. 36, 38—39.
- Zygankow, S. K., (Schutz der Bienen bei der chemischen Behandlung der Baumwolle.) Pchelowodstwo (russ.) 1951, nr. 8, p. 50—51.
- L'activité de l'I. R. C. T. pendant la campagne 1949 bis 1950. [maladies] Coton Fibres trop. 6. 1951, nr. 1, p. 1—44, 31 fig., 2 tab. geogr.
- Cotton production; insect and disease control, South Carolina, 1951. Clemson agric. Coll. South Carolina Ext. Circ. 358. 1951, 16 p.

Nichtparasitäre Krankheiten

Diseases not caused by parasites

Maladies non parasitaires

- Balasubrahmanyam, R., and Santhanam, V., Inheritance of »crinkled leaf« — a new abnormal mutant in Asiatic cotton. Curr. Sci. 20. 1951, 46.
- Burleson, C. A., and Hubbard, J. L., Cotton defoliation in the Lower Rio Grande Valley, 1951. Texas agric. Exp. Stat. Progr. Rept. 1397. 1951, 5 p.
- Emge, R. G., Occurrence of abnormal cotton bolls in Arkansas. Phytopathology 41. 1951, 11.
- Hall, W. C., and Johnson, S. P., A bio-assay for hormone contamination of insecticides. [2,4-D-like effects on cotton] Texas agric. Exp. Stat. Progr. Rept. 1421. 1951, 5 p.
- Khetagurova, F. V., and Sankhov, E. A., (Biological defects of cotton fibers.) Tekstil'. Promysh. (russ.) 11. 1951, nr. 9, p. 15—18.
- McIlrath, W. I., Ergle, D. R., and Dunlap, A. A., Persistence of 2,4-D stimulus in cotton plants with reference to its transmission to the seed. Bot. Gaz. 112. 1951, 511—518.
- Stiver, E. N., Jones, D. L., and Johnston, J. R., Cotton defoliation tests at the Blackland Station, 1950. Texas agric. Exp. Stat. Progr. Rept. 1319. 1951, 2 p.
- Thaxton jr., E. L., Jones, D. L., and Ray, L. L., Cotton defoliation tests at Lubbock, 1950. Texas agric. Exp. Stat. Progr. Rept. 1382. 1951, 4 p.

Pflanzliche Feinde

Vegetal parasites — Parasites végétaux

- Allen, R. M., Cotton seeds are capable of carrying Verticillium. Plant Dis. Reprtr. 35. 1951, 11—12, 1 fig.
- Bazán de Segura, C., El hongo Thielaviopsis basicola penetra al huesped (algodonero) solamente a traves de heridas? Agronomia, Lima, 16. 1951, nr. 67, p. 37—38.
- Bird, L. S., Ascochyta gossypii in Texas. Plant Dis. Reprtr. 35. 1951, 557.
- Bird, L. S., Importance of resistance to bacterial blight of cotton. Texas agric. Exp. Stat. Progr. Rept. 1419. 1951, 2 p.
- Bird, L. S., and Blank, L. M., Breeding strains of cotton resistant to bacterial blight. [Xanthomonas malvacearum] Texas agric. Exp. Stat. Bull. nr. 736. 1951, 25 p., 9 fig.
- Blank, L. M., and Leyendecker jr., Ph. J., Verticillium wilt spread to disease-free soil by infected cotton stalks. Plant Dis. Reprtr. 35. 1951, 10—11.
- Bouillenne, R., et Bouillenne-Walrand, M., De l'influence des hormones végétales de synthèse sur la croissance de Fusarium vasinfectum. Bull. Acad. R. Belg. 37 (sér. 5). 1951, 557—566, 1 tab.

- Brinkerhoff, L. A., and Gréen, J. M.,** Occurrence of bacterial blight resistant plants in 20 varieties of cotton. Assoc. south. agric. Workers Proc. 48. 1951, 162—163 (Abstr.).
- Brown, J. G.,** Two diseases of cotton. [Rhizoctonia solani, Sclerotium rolfsii] Arizona Farmer 30. 1951, nr. 16, p. 34—35.
- Brown, J. G., and Allen, R. M.,** Cotton seeds can carry Verticillium-wilt fungus. Arizona agric. Coll. Ext. Circ. 182. 1951, 4 p.
- Brown, J. G., and Boyle, A. M.,** Internal boll-rot of cotton. Arizona agric. Coll. Ext. Circ. 186. 1951, 4 p.
- Cabral, A., O »willt« na Província do Sul do Save.** [Verticillium dahliae] Agron. lusit. (Portugal) 13. 1951, 13—18, 4 tab.
- Goldthwait, C. F., Buras, E. M., and Cooper, A. S.,** Chemical substitution in fibrous cotton and resistance of substituted cotton to microbiological deterioration. Text. Res. J. 21. 1951, 831—840.
- Hervey, R. J., Fisher, F. L., and Johnston, J. R.,** Cotton root rot and land use studies at the Blackland Experiment Station. Texas agric. Exp. Stat. Progr. Rept. 1364. 1951, 4 p.
- Hutchinson, J. B., and Manning, H. L.,** Recent progress in cotton breeding in Commonwealth Territories in Africa and in the Anglo-Egyptian Sudan. [Frankliniella fusca, Rhizoctonia solani] Brit. agric. Bull. 4. [1951], 169—174, 5 fig.
- Knight, R. L., and Hutchinson, J. B.,** The evolution of blackarm (Xanthomonas malvacearum) resistance in cotton. Empire Cotton Growing Corp. Res. Mem. 11. 1951, 35—58.
- Kulkarni, Y. S., and Patel, M. K.,** A preliminary note on the inheritance of blackarm resistance in some strains of Gossypium herbaceum L. [Xanthomonas malvacearum] Indian Cotton Grower's Rev. 5. 1951, 148—152.
- Mahmud, K. A.,** Damping-off of cotton seedlings caused by Pythium of Baryanum Hesse. Sci. and Cult., Calcutta, 16. 1951, 422—424, 8 fig.
- Mendez R., E. D.,** Seguimos luchando contra el »willt« del algodónero, en el Departamento de Genética Vegetal del Centro Nacional de Investigación y Experimentación Agrícola de La Molina. [Verticillium albo-atrum] Mensajero Agric. 67/68. 1951, 24, 33—34.
- Presley, J. T., and Dick, J. B.,** Fertilizer and weather affect Verticillium wilt [of cotton]. Mississippi Farm Res. 14. 1951, nr. 2, p. 1, 6.
- Presley, J. T., Haskell, R. J.,** Cottonseed treatment especially important this year. U.S. Bur. Plant Ind., Soils, agric. Engin. Ext. Serv. 1951, 4 p.
- Rubin, B. A., and Perevjazkina, L. M.,** (Die Rolle der Gerbstoffe bei den Erscheinungen der Festigkeit der Baumwollstaude gegenüber Verticillium.) Dokl. Akad. Nauk USSR. 79 (n. ser.). 1951, 303—306.
- Rubin, B. A., and Volobueva, N. P.,** (Activity of polyphenoloxidases of cotton tissues in connection with the resistance of the plant to the organism, Verticillium albo-atrum.) Dokl. Akad. Nauk USSR. 79. 1951, 637—638.
- Smith, A. L., and Wilson, C.,** Verticillium wilt of cotton in Alabama. Plant Dis. Repr. 35. 1951, 165.
- Streets, R. B.,** Expanded cotton acreage and root rot. Progr. Agric. Arizona 2. 1951, nr. 4, p. 12.
- Streets, R. B.,** Field crop rotations for control of Phy-matotrichum root rot in irrigated lands. Phytopathology 41. 1951, 944.
- Subramanian, C. V.,** Soil conditions and wilt diseases in plants with special reference of Fusarium vasinfectum on cotton. Proc. Indian Acad. Sci. 31 (Sec. B). 1950, 67—102, 6 fig., 1 tab.
- Šutić, D.,** (Resistance of some cotton varieties to Bacterium malvacearum E. F. Smith.) Plant Prot., Beograd, 1. 1951, nr. 3, p. 3—12, 3 fig.
- Thiers, H. D., and Blank, L. M.,** A histological study of bacterial blight of cotton. [Xanthomonas malvacearum] Phytopathology 41. 1951, 499—510, 2 fig.
- Venkat Ram, C. S.,** Seed-borne fungi and loss of seedling vigour in cotton. J. Madras Univ. 21 (Sect. B). 1951, 288—302, 1 fig., 1 tab.
- You can raise more cotton in 1951 if you treat cotton seed.** Montana agric. Coll. Ext. Folder 12. 1951, 4 p.

Unkräuter

Weeds — Mauvaises herbes

- Démétriadès, S. D., and Zachos, D. G.,** Note sur quelques cas d'accidents causés sur la vigne et le coton par l'emploi d'herbicides phytohormoniques en Grèce. 1. Conf. int. Lutte contre Parasites Plantes 3.—6. 10. 1950 Rome. 1951, 393—395, 1 fig.
- Harris, V. C.,** Chemical weed control cheaper in cotton tests. Mississippi Farm Res. State Coll. 14. 1951, nr. 2, p. 1, 3, 5.
- Harris, V. C.,** Progress report on weed control in cotton at State College, Mississippi. Down to Earth 6. 1951, nr. 4, p. 7.
- Lassetter, W. C.,** The battle with the grasses. [weed control in cotton] Progr. Farmer (Mississippi-Arkansas-Louisiana Ed.) 66. 1951, nr. 10, p. 19, 151.
- Lovvorn, R. L.,** Chemical weed control in cotton. U.S. Dept. Agric. Bur. Plant Ind., Soils, agric. Engin., Beltsville, 1951, 9 p.
- Nutt, G. B.,** Weed, grass pose problem in Southeast. Cotton Trade J. 31. 1951, nr. 46, p. 15—16.
- Rea, H. E., Miller jr., H. F., and Smith, H. P.,** Control of seedling grass in cotton. Texas agric. Exp. Stat. Progr. Rept. 1412. 1951, 7 p.
- Searcy, V. S.,** Chemical weed control in cotton. Alabama agric. Exp. Stat. Progr. Rept. Ser. 51. 1951, 4 p.

Southwick, L., Death to weeds » in the Land of Cotton». Dow Diamond 14. 1951, nr. 5, p. 28—31.

Woolfolk, E. T., No-Ho: a revolutionary stride forward. [cotton weed control] Cotton Trade J. (int. Ed.) 31. 1951, nr. 10, p. 227—228.

Zitowitsch, I. K., and **Snitko, J. S.**, (Formative action of insignificant dosages of herbicides on sunflower and cotton plants.) Priroda (russ.) 40. 1951, nr. 7, p. 62—63.

Chemical weed control; another lin in mechanical cotton production. Acco Press 29. 1951, nr. 9, p. 6—12.

Chemical weed control in cotton. Tennessee agric. Exp. Stat. Circ. Inform. 87. 1951, 3 p.

Control weeds in cotton with Premerge. Down to Earth 6. 1951, nr. 4, p. 4.

Tierische Feinde

Animal parasites — Parasites animaux

Ankersmit, G. W., Bestrijdingsproeven tegen de katoenboorder *Earias fabia* Stoll. (Lepidoptera, Noctuidae). (Experiments on control of the cotton borer *Earias fabia* Stoll. (Lepidoptera, Noctuidae).) Indonesia Gen. Agric. Res. Stat. Contrib. 126. 1951, 19 p., 3 fig.

Ankersmit, G. W., Experiment on control of the cotton borer *Earias fabia* Stoll. Org. sci. Res. Indonesia (O. S. R.) News 3. 1951, 268.

Arant, F. S., Cotton insects and their control with insecticides. Alabama agric. Exp. Stat. Circ. 106. 1951, 56 p.

Ballard, W. W., Varietal differences in susceptibility to Thrips injury in upland cotton. Agron. J. 43. 1951, 37—44.

Barbosa, A. J., (Methods of control for cotton pests in Mozambique.) Gaz. Agr. (portug.) 3. 1951, 285—289.

Beckham, C. M., and **Dupree, M.**, Summary of cotton insect control experiments during 1951; progress report. Georgia agric. Exp. Stat. Mimeogr. Ser. 38. 1951, 10 p.

Berry, P. A., Biology and habits of cotton stainers (Hemiptera: Dysdercus spp.), their natural enemies in South America, and two parasitic flies (*Acaulona peruviana* and *Hyalomya chilensis*) imported into Puerto Rico. Rev. Ent. 22. 1951, 329—342.

Bishara, I., Cotton worm (*Prodenia litura*) attack during 1951. Cotton Gaz. (Egypt) 14. 1951, 51—57.

Bishopp, F. C., Cotton insect research pays big dividends. Cotton Gin, Oil Mill Press 52. 1951, nr. 5, p. 28, 30—31, 86—87.

Bishopp, F. C., Use insecticides safely. Cotton Insect Control Conf. Proc. 5. 1951, 18—21.

Butler, E., Community action whips cotton pests. Progr. Farmer (Texas Ed.) 66. 1951, nr. 2, p. 15, 116—117, 130.

Butler, E., Do you know these cotton insects? Progr. Farmer (Georgia-Alabama-Florida Ed.) 66. 1951, nr. 7, p. 38, 41.

Calhoun, S. L., Applying insecticides for the control of cotton pests. Cotton Insect Control Conf. Proc. 5. 1951, 34—38.

Campbell, I. J., Insect control in 1951 — a year of opportunity for cotton. Cotton Gin, Oil Mill Press 52. 1951, nr. 5, p. 17—18.

Cappleman, L. J., Insect control in balanced cotton production; answer to profitable cotton yields lies in community cooperation. East Texas 25. 1951, nr. 8, p. 6, 13, 16.

Catzeflis, J., La lutte contre le ver de la feuille. Égypte Agric. 49. 1951, 194—196.

Cowart, F. F., 1951 cotton insect control recommendations for Georgia. Georgia agric. Exp. Stat. Press Bull. 627. 1951, 5 p.

Dantas, J. G., (The aphid and cotton culture.) [Aphis gossypii] Agr. e Pecuaria (portug.) 22. 1951, nr. 332, p. 43, 46, 48, 64.

Dean, H. A., Drawbacks of controlling insects on cotton planted in citrus groves. Texas Farming, Citric. 27. 1951, nr. 10, p. 9.

Dogger, J. R., and **Fenton, F. A.**, Cotton insect control tests, 1950. Oklahoma agric. Exp. Stat. Mimeogr. Circ. M-213. 1951, 6 p.

Dunham, E. W., Recent progress in the control of cotton pests with new toxicants. Proc. 5th ann. Cotton Insect Control Conf., Memphis, 1951, 27—28.

El-Zoheiry, M. S., and **El-Mistikawy, A. M.**, Cotton insect pests and methods of control in Egypt. Int. Cotton Bull. 19. 1951, 367—376.

Enns, W. R., Cotton insects and their control in Missouri. Missouri agric. Exp. Stat. Bull. 545. 1951, 15 p.

Enns, W. R., and **Burk, V. F.**, Controlling cotton insect pests. Montana agric. Coll. Ext. Folder 11. 1951, 4 p.

Ewing, K. P., Highlights of cotton insect damage and control in Texas in 1951. Cotton Insect Control Conf. Proc. 5. 1951, 28—30.

Ewing, K. P., **Gunter, A. C.**, and **Johnston, H. G.**, USDA. experts advise on insect situation. Cotton Digest 23. 1951, nr. 38, p. 5.

Ewing, K. P., and **Parencia jr., C. R.**, Early season application of insecticides on a community-wide basis for cotton insect control in 1950. Cotton Gin, Oil Mill Press 52. 1951, nr. 5, p. 88—92.

Ewing, K. P., **Parencia jr., C. R.**, and **Johnson jr., H. S.**, Insecticidal field tests for control of thrips on cotton. [Thrips tabaci, *Frankliniella tritici*, *F. fusca*] Assoc. south. agric. Workers Proc. 48. 1951, 96 (Abstr.).

- Fife, L. C., Recent cotton insect research results in South Carolina. Cotton Insect Control Conf. Proc. 5. 1951, 30—31.
- Frost jr., M. H., Cotton and insects. [Arizona] Crop Comments 4. 1951, nr. 7, p. 1, 8.
- Fullmer, O. H., Kulash, W. M., and Jones, G. D., Cotton insect control in North Carolina. North Carolina agric. Coll. Ext. Circ. 312. 1951, 16 p.
- Gaines, J. C., Beneficial insects' role in cotton insect control. Acco Press 29. 1951, nr. 3, p. 22—24.
- Gaines, J. C., Economical cotton insect control stems from many years of research. West Texas Today 32. 1951, 6.
- Gaines, J. C., Dean, H. A., and Wipprecht, R., Tests of insecticides for control of cotton insects during 1950. [Frankliniella tritici, Anthonomus grandis, Heliothis armigera and Septanychus texazona] J. econ. Ent. 44. 1951, 367—372.
- Gaines, J. C., Ivy, E. E., and King, C. E., Toxicity of certain phosphorus compounds to cotton insects. J. econ. Ent. 44. 1951, 750—753, 2 fig.
- Gallo, D., (Principal pests of the cotton plant and their control with modern insecticides.) Rev. Agr., Piracicaba, 26. 1951, 331—338.
- Goldberg, M., Wanted: more cotton, fewer pests. South. Seedsman 14. 1951, nr. 4, p. 22, 42, 47.
- Hamner, A. L., Lyle, C., Murphree, L. C., Dunham, E. W., and Calhoun, S. L., Poisoning pays profits; kill cotton insects. Mississippi State Coll. Ext. Publ. 171. 1951, 8 p.
- Hanna, R. L., and Gaines, J. C., Lime-free calcium arsenate mixed with organic insecticides for cotton insect control. [Anthonomus grandis, Heliothis armigera, Aphis gossypii] J. econ. Ent. 44. 1951, 430—432.
- Henness, K. K., In controlling cotton insects. Ext. Serv. Ref. 22. 1951, 164, 173.
- Hoyt, A. S., Research in cotton insect control. Acco Press 29. 1951, nr. 3, p. 2—5, 21.
- Johnston, H. G., Need for basic research in cotton insect control. Cotton Insect Control Conf. Proc. 5. 1951, 13—18.
- Jones, M. P., Cotton insect conditions and programs during 1951. Cotton Insect Control Conf. Proc. 5. 1951, 1—4.
- Jones, M. P., Will you or insects pick your cotton? Acco Press 29. 1951, nr. 3, p. 6—7.
- Knowlton, M. S., Cotton insect control on my farm. Cotton Insect Control Conf. Proc. 5. 1951, 44—45 (Abstr.).
- Kortzas, C. B., et Pélécassis, E. D., Rapport sur les travaux de lutte contre le tétranyque du cotonnier dans la région de Copais en 1950. Ann. Inst. phytopath. Benaki 5. 1951, 30—39, 2 fig.
- Krausche, K. K., Evans, G. R., and Zakheim, M., BHC-DDT dust preparation. [synergism, combined dust effective against cotton pests] Agric. Chem. 6. 1951, nr. 3, p. 59—60, 117—118.
- Lal, K. B., and Singh, C., The biology and field ecology of the cotton leaf roller, *Sylepta derogata* Fabr., in the Uttar Pradesh. Indian Cotton Growing Rev. 5. 1951, 137—147.
- Lemons, E., Early, continuous insect control program is vital to your cotton profits. Farmer-Stockman 54. 1951, nr. 6, p. 8.
- Lincoln, C. G., Training and utilizing cotton insect scouts. Cotton Insect Control Conf. Proc. 5. 1951, 42—44.
- Lyle, C., Hamner, A. L., and Murphree, L. C., Cotton insect control recommendations. Mississippi Farm Res. 14. 1951, 1—2, 8.
- Lyle, C., Hamner, A. L., and Murphree, L. C., Cotton insect control recommendations for 1951. Mississippi agric. Exp. Stat. Circ. 158. 1951, 7 p.
- Martin, W. J., Newsom, L. D., and Schwegmann, J., Nematode root rot of cotton in Louisiana. [Pratylenchus leiocephalus] Plant Dis. Repr. 35. 1951, 388.
- May, A. W. S., Cotton jassid (*Empoasca maculata*) problem in Queensland. Queensl. Div. Plant Ind. (Res.) Bull. 55. 1951, 19 p.
- Miley, D. G., Progress in control of cotton insects. Cotton Gin, Oil Mill Press 52. 1951, nr. 5, p. 97—100.
- Miller, H. F., and Gaines, J. C., Size of spray nozzle in relation to cotton insect control. Texas agric. Exp. Stat. Progr. Rept. 1312. 1951, 1 p. — Cotton Gin, Oil Mill Press 52. 1951, nr. 4, p. 36.
- Murphree, L. C., Proper insect control often means margin between good cotton crop, one that fails. Cotton Trade J. 31. 1951, nr. 46, p. 7.
- Neal, D. C., and Newsom, L. D., Shoreskin of cotton and its relationship to thrips damage. Phytopathology 41. 1951, 854.
- Patel, R. M., Control of the cotton semilooper (*Tarache notabilis*) in Baroda State. Indian Cotton Growing Rev. 5. 1951, 44—48.
- Pélécassis, E. D., Rapport sur les travaux de lutte contre le tétranyque du cotonnier dans la région de Copais en 1949. Ann. Inst. phytopath. Benaki 5. 1951, 18—29, 1 tab.
- Ramos, M. J., Contra los *Heliothis* invernantes de los algodones. [H. armigera] Hacienda 46. 1951, nr. 3, p. 43.
- Ramos, M. J., Recomendaciones básicas para el control de los insectos que afectan al algodón, campaña 1951—1952. Mensajero Agr. 67/68. 1951, 27—29.
- Roney, J. N., Cotton insect control. Arizona agric. Coll. Ext. Circ. 179. 1951, 7 p.

- Roussel, J. S., Weber, J. C., Newsom, L. D., and Smith, C. E.**, The effect of infestation by the spider mite *Septanychus tumidus* on growth and yield of cotton. *J. econ. Ent.* 44. 1951, 523—527.
- Ruffin, W. A.**, Cotton insect control in the Southeast. *Acco Press* 29. 1951, nr. 3, p. 27—28.
- Salas F., L. A.**, Una nota sobre *Heliethis virescens* (F.) como insecto del algodonoero in Venezuela. *Agron. trop.*, Maracay, 1. 1951, 67—69.
- Schmitz, G., Gutknecht, J., et Boulanger, J.**, Observations relatives à l'influence du *Dysdercus* et l'*Helopeltis* sur la production et la qualité des graines du cotonnier. *Bull. agric. Congo belge* 42. 1951, 891—900.
- Smith, G. L., and Bryan, D. E.**, Mites on cotton; control of spider mites varies with species attacking the plants. [*Tetranychus atlanticus*, *T. pacificus*, *T. bimaculatus*] *Calif. Agric.* 3. 1951, nr. 4, p. 11, 15.
- Stiles, C. F.**, Recommendations for controlling cotton insects. *Oklahoma Ext. Serv. Circ.* 499. [1951], 8 p., 7 fig.
- Welch, C. L.**, Control cotton insects in '51. *Farm and Ranch* (South. Agr. Upper So. Ed.) 81. 1951, nr. 5, p. 9, 23.
- Welch, C. L.**, Cotton insects can and must be controlled in 1951. *Cotton Gin, Oil Mill Press* 52. 1951, nr. 5, p. 29, 80.
- Wene, G. P., and White, A. N.**, Rare cotton pests are reported on. *Texas Farming, Citric.* 28. 1951, nr. 4, p. 5.
- White, A. N.**, Cotton insect pests are becoming busy. *Texas Farming, Citric.* 27. 1951, nr. 10, p. 6.
- White, A. N.**, Insects attacking cotton. *Texas Farming, Citric.* 27. 1951, nr. 11, p. 2.
- Wille, J. E.**, Biological control of certain cotton insects and the application of new organic insecticides in Perú. [*Heliethis virescens*] *J. econ. Ent.* 44. 1951, 13—18.
- Wille, J. E.**, Erfahrungen mit organischen Insektiziden in der Bekämpfung von Baumwollschädlingen in Perú. *Ztschr. angew. Ent.* 33. 1951, 341—348.
- Worthington, D.**, For insect control: aerial dusting and spraying cotton will pay dividends to the planter. *Cotton Digest* 23. 1951, nr. 34, p. 10.
- Conference report on cotton insect research and control**, Dec. 4—6, 1950. *Cotton Gin, Oil Mill Press* 52. 1951, nr. 5, p. 32, 34—35, 68—74.
- Conference report on cotton insect research and control**, Memphis, Tennessee, December 2—4, 1951. *U.S. Dept. Agric. Bur. Ent., Plant Quar.* 1952, 43 p.
- Controlling cotton insects in Texas this year**. *Acco Press* 29. 1951, nr. 3, p. 32—33.
- Cotton Insect Control Conference: 5. Proceedings**, December 4 and 5, 1951, Memphis, Tennessee. Memphis 1951. 52 p.
- Cotton insect control guide for New Mexico**, 1951. *New Mexico agric. Coll. Ext. Circ.* 227. 1951, 7 p.
- Cotton insects: how to identify them and evaluate their damage**. *Cotton Gin, Oil Mill Press* 52. 1951, nr. 5, p. 59—62.
- The cottony cushion or fluted scale** (*Icerya purchasi*). *New South Wales Dept. Agric. Insect Pest Leaf.* 69 (rev.). 1951, 1 p.
- Insecticides for control of cotton insects in 1951**. *Acco Press* 29. 1951, nr. 3, p. 14—19.
- 1951 cotton insect control recommendations for Georgia**. *Georgia Coastal Plain Exp. Stat. Mimeogr. Paper* 2. 1951, 4 p.
- The 1951 State guides for insect control**. *Cotton Gin, Oil Mill Press* 52. 1951, nr. 5, p. 24, 26, 49—54, 56, 65—67, 82—83, 92, 94—96, 100—118.
- Watch for these (cotton) insects in your field**. *Acco Press* 29. 1951, nr. 3, p. 18 A—18 H.
- Anthonomus grandis**
- Dark, J. C.**, Boll weevil (*Anthonomus grandis*) does it harvest your cotton? *Crops and Soils* 4. 1951, nr. 2, p. 12—13.
- Doetsch, J. F.**, The saboteur of our cotton fields. *Victory Farm Forum* 41. 1951, 2.
- Earley, D.**, The boll weevil (*Anthonomus grandis*) has been away, but may yet be up and coming. *Texas Farming, Citric.* 27. 1951, nr. 12, p. 12.
- Ewing, K. P., Gunter, A. C., and Johnston, H. G.**, Texas insect situation: USDA. recommends early season controls for weevils (*Anthonomus grandis*) and thrips. *Cotton Digest* 23. 1951, nr. 36, p. 16.
- Farrar, M. D., and Reed, J. K.**, Methods for evaluation of cotton insecticides. *J. econ. Ent.* 44. 1951, 943—945, 2 fig.
- Jones, G. D.**, How to win the boll weevil (*Anthonomus grandis*) war. *Progr. Farmer* (Carolinas-Virginia Ed.) 66. 1951, nr. 4, p. 19.
- Jones, G. D.**, Kill the boll weevil, make 1951 a banner cotton year. [*Anthonomus grandis*] *North Carolina Dept. Agric. agric. Rev.* 26. 1951, nr. 10, p. 1, 7.
- Lincoln, Ch.**, Boll weevil infestations and control in eastern Arkansas in 1950. *J. econ. Ent.* 44. 1951, 766—769.
- Marin H., C.**, Presencia del picudo del algodonoero en Colombia (*Anthonomus grandis* Bohm). *Agr. trop.* 7. 1951, nr. 4, p. 29—32, 34.
- Rainwater, C. F.**, Some factors relating to the toxicity of insecticides against the boll weevil (*Anthonomus grandis*). *Cotton Insect Control Conf. Proc.* 5. 1951, 32—34.
- Rainwater, C. F., and Gaines, J. C.**, Seasonal decline in the effectiveness of certain insecticides against boll weevil. *J. econ. Ent.* 44. 1951, 971—974.

- Reed, J. K., and Farrar, M. D.**, Bio-assay of cotton dusts with adult boll weevil. [*Anthonomus grandis*] J. econ. Ent. 44. 1951, 1013—1014, 1 fig. — Assoc. south. agric. Workers Proc. 48. 1951, 95.
- Richardson, T. C.**, The story of the boll and the boll weevil (*Anthonomus grandis*). Farmer-Stockman 54. 1951, nr. 3, p. 8, 34.
- Smith, W. R., and Calhoun, S. L.**, Spraying for early-season control of boll weevil. J. econ. Ent. 44. 1951, 919—920.
- Starcher, G. C.**, Let's beat the weevil (*Anthonomus grandis*). South. Farmer 112. 1951, nr. 3, p. 5.
- Whitcomb, W.**, Contra el picudo del algodón (*Anthonomus grandis*). Agric. Venezol. 15. 1951, nr. 150, p. 17—26.
- Platyedra (*Pectinophora*) gossypiella**
- Campbell, I. J.**, What are we going to do now about the pink bollworm (*Pectinophora gossypiella*)? Cotton Gin, Oil Mill Press 52. 1951, nr. 26, p. 9.
- Curl, L. F.**, The pink bollworm (*Pectinophora gossypiella*), an international problem. Acco Press 29. 1951, nr. 3, p. 8—11.
- Curl, L. F.**, The pink bollworm (*Pectinophora gossypiella*) problem. Cotton Gin, Oil Mill Press 52. 1951, nr. 5, p. 93—94.
- Curl, L. F.**, Texas farmers urged to act at once pink bollworm (*Pectinophora gossypiella*) continues to spread in. Cotton Digest 24. 1951, nr. 4, p. 16.
- Darling, H. S.**, Pink bollworm, *Platyedra gossypiella* (Saund.), as a pest of cotton at Zeidab, Northern Sudan. Bull. ent. Res. 42. 1951, 157—167, 1 fig.
- Martorell, L. F.**, Cotton pink bollworm (*Pectinophora gossypiella*) in Puerto Rico. Puerto Rico (Rio Piedras) agric. Exp. Stat. Bull. 93. 1951, 40 p.
- Nadkarni, N. T.**, Bollworms of cotton in Marathwada Division of Hyderabad State. [*Pectinophora gossypiella*, *Earias insulana*] Indian Cotton Growing Rev. 5. 1951, 211—224.
- Nadkarni, N. T.**, A note on the diapause in pink bollworm (*Pectinophora gossypiella*) of cotton. Indian Cotton Growing Rev. 5. 1951, 49—51.
- Rezende, J., and Dantas, J. G.**, (Immunization in the treatment of cottonseed for control of pink bollworm (*Pectinophora gossypiella*).) Rev. Mercados [portug.] 2. 1951, nr. 6, p. 51—54.
- Rickard, J. A.**, The pink bollworm (*Pectinophora gossypiella*). Your Farm 10. 1951, nr. 11, p. 62—64.
- Sayre, C. R.**, Review of current pink bollworm (*Pectinophora gossypiella*) research and control and a suggested plan of action. Cotton Insect Control Conf. Proc. 5. 1951, 38—42.
- Waibel, C.**, King cotton. [program to control *Pectinophora gossypiella*] Border Scope 3. 1951, nr. 6, p. 10—11.
- Amendment of pink bollworm (*Pectinophora gossypiella*) quarantine and regulations.** U.S. Dept. Agric. Bur. Ent., Plant Quar. — B. E. P. Q. — Q. 52. 1951, 6 p.
- The bollworm (*Pectinophora gossypiella*) problem — how to discover and remedy the situation when found.** Cotton Digest 23. 1951, nr. 46, p. 12.
- Pink bollworm (*Pectinophora gossypiella*) control.** U.S. Dept. Agric. Bur. Ent., Plant. Quar. 1951?, 1 p.
- Virus**
- Tarr, S. A. J.**, Leaf curl disease of cotton. Commonw. mycol. Inst., Kew 1951. [VIII]+55 p., 1 fig., 12 tab., 1 tab. geogr.
- c. Erdnuß**
- Peanut (*Groundnut*) — Arachide**
- Appert, J.**, Essai préliminaire d'insecticide systématique effectué sur le puceron de la rosette de l'arachide (*Aphis laburni*) au Centre de Recherches Agronomiques de Bambey (Sénégal). Compt. rend. Acad. Agric. France 37. 1951, 428—429.
- Arant, F. S.**, Insect pests. In: The peanut, a symposium (Nat. Fert. Assoc., Washington 1951), p. 210—261.
- Boyle, L. W.**, Collar rot of peanuts, primarily a heat canker. Phytopathology 41. 1951, 4.
- Bunting, A. H.**, Agricultural research in the groundnut scheme, 1947—1951. [diseases] Nature, London, 168. 1951, 804—806.
- Carpentier, S.**, Étude morphologique et cytologique de l'action de substances fongicides ou insecticides sur la croissance de la plantule d'arachide. Rev. int. Bot. appl., Agric. trop. 31. 1951, 598—605.
- Chevaugon, J.**, Pathologie de l'arachide. Lab. Path. veg. Inst. Intercolon., Adipodoume (French West Afr.) 1951. 32 p.
- Cooper, W. E.**, Peanut seed treatment. North Carolina agric. Exp. Stat. Spec. Circ. 14. 1951, 8 p.
- Da Costa Neto, J. P.**, (Diseases of peanut (*Arachis hypogaea* L.), caused by *Cercospora*, in the State of Rio Grande do Sul, Brazil.) Rev. Agron., Porto Alegre, 15. 1951, 85—87.
- Dirsh, V. M.**, A new grasshopper (Orth. Acrididae) damaging groundnuts. [*Pyrgomorphella arachidis*] Bull. ent. Res. 42. 1951, 41—43, 9 fig.
- Drouillon, R.**, La maladie des taches brunes de l'arachide. [*Cercospora personata*, *C. arachidicola*] Rev. Mycol., Suppl. colon., 16. 1951, nr. 1, p. 1—11, 3 fig.
- Garren, K. H., and Wilson, C.**, Peanut diseases. In: The peanut, a symposium (Nat. Fert. Assoc., Washington), 1951, 262—324.
- Jacoway, T. H., and Owen, J. H.**, Stem rot of peanuts. Phytopathology 41. 1951, 19.

- Machmer, J. H.**, Root knot of peanut. I. distribution. [Meloidogyne] Plant Dis. Repr. 35. 1951, 364—366.
- Owens, J. V.**, The pathological effects of *Belonolaimus gracilis* on peanuts in Virginia. Phytopathology 41. 1951, 29.
- Poos, F. W., Dobbins, T. N., Batten, E. T., and Boush, G. M.**, Tests with benzene hexachloride for the control of insects attacking peanuts, 1946—1949. U.S. Dept. Agric. Bur. Ent., Plant Quar. E-820. 1951, 16 p.
- Prevot, P., et Commun, R. L.**, Désinfection des semences d'arachide (A. E. F. — A. O. F.). Oléagineux 6. 1951, 1—10, 1 tab., 4 fig.
- Sauger, L., and Thevenin, L.**, Facteurs de production de l'arachide en fonction de la lignée et du traitement fongicide des semences. Dir. Agr. Élevage, Forêts, Sect. Techn. Agric. trop., Bull. Agron. 6. 1951, 70—81.
- Shaw, W. C., York jr., E. T., and Gregory, W. C.**, The effect of chemicals on weeds and the stand and yield of peanuts, when applied as preemergence sprays. South. Weed Conf. Proc. 4. 1951, 112—120.
- Thung, T. H., en Hadiwidjaja, T.**, Groeistof in verband met virusziekte in het bijzonder bij *Arachis hypogaea*. (Growth substances in relation to virus diseases; experiments with *Arachis hypogaea*.) Tijdschr. Plantenziekten 57. 1951, 95—99, 2 fig.
- Van der Laan, P. A., and Ankersmit, G. W.**, Chemical control of the *Arachis* leaf miner (*Stompteryx subcivella* Zell.). Contrib. gen. agric. Res. Stat., Bogor, 119. 1951, 1—13. — Landbouw 23. 1951, 86—96.
- Vayssièrre, Essai préliminaire d'insecticide systématique effectué sur le puceron de la rosette de l'arachide (Aphis laburni) au Centre de Recherches Agronomiques de Bambey (Sénégal).** Rev. int. Prod. colon. 26. 1951, 212.
- d. Kakao — Cacao — Cacao**
- Alibert, H.**, Les insectes vivant sur les cacaoyers en Afrique occidentale. Inst. franç. Afr. Noire Mém. 15. 1951, 174 p.
- Bakewell, S. E.**, Cacao in Mexico. Foreign Agric. 15. 1951, 268—269, 1 fig.
- China, W. E., and Carvalho, J. C. M.**, Four new species representing two new genera of Bryocorinae associated with cacao in New Britain (Hemiptera, Miridae). [Pseudodoniella gen. n., P. pacifica, Parabryocoris gen. n., P. typicus, P. cheesmanae, P. duni] Bull. ent. Res. 42. 1951, 465—471, 4 fig.
- Ciferri, R.**, Hollow heart of cacao beans. Phytopathology 41. 1951, 656.
- Dantas, B.**, (>Spraying profit< in cocoa plantations.) Pernambuco Sec. Agr., Ind., Com. Bol. 18. 1951, 218—256.
- Evans, H.**, Investigations on the propagation of cacao. Trop. Agric., Trinidad, 28. 1951, 147—203, 3 fig., 8 tab.
- Greenwood, M., and Hayfron, R. J.**, Iron and zinc deficiencies in cacao in the Gold Coast. Empire J. exp. Agric. 19. 1951, nr. 74, p. 73—86, 2 tab.
- Haarer, A. E.**, Swollen shoot disease of cocoa; use of systemic insecticides — some of the difficulties. Empire Prod. 324. 1951, 71.
- Hadland, J. R. G.**, The methods and functions of the nigerian cocoa survey. [swollen shoot] Cocoa, Choc., Confect. Alliance Rept. Cocoa Conf. 1951, 143—146.
- Johns, R., and Gibberd, A. V.**, A review of the cocoa industry of Nigeria with special reference to the control of swollen shoot disease and the maintenance of production by rehabilitation and new planting. Cocoa, Choc., Confect. Alliance Rept. Cocoa Conf. 1951, 135—143.
- Kaden, O. F.**, System-Insektizide als Bekämpfungsmittel der Kakao-Viruskrankheit. Zucker- u. Süßwarenzw. 4. 1951, 654—656.
- Keveorkian, A. G.**, The cushion-gall disease of cacao. Phytopathology 41. 1951, 562—563.
- Lehmann, E.**, Die Kakaokrankheit an der Goldküste. Orion 6. 1951, 936—939.
- McLaughlin, J. H.**, Algunos sintomas de la infección *Phytophthora palmivora* Butl. en *Theobroma cacao* L. en Costa Rica. Mexico Ofc. Estud. Espec. Fol. Misc. 4. 1951, 262—267.
- Owen, H.**, Cacao pod diseases in West Africa. Ann. appl. Biol. 38. 1951, 715—718.
- Posnette, A. F.**, Virus research at the West African Cacao Research Institute, Tafo, Gold Coast. Trop. Agric., Trinidad, 28. 1951, 133—142.
- Posnette, A. F., and Todd, J. McA.**, Virus diseases of cacao in West Africa. VIII. The search for virus-resistant cacao. Ann. appl. Biol. 38. 1951, 785—800.
- Ross, S. D., and Broatch, J. D.**, A review of the swollen shoot control campaign in the Gold Coast. Cocoa, Choc., Confect. Alliance Rept. Cocoa Conf. 1951, 92—100.
- Siller F., L. R., en McLaughlin, J. H.**, Un metodo para valorizar fungicidas en el control de *Phytophthora palmivora* Butl. en *Theobroma cacao* L. Mexico Ofc. Estud. Espec. Fol. Misc. 4. 1951, 257—261.
- Strickland, A. H.**, The entomology of swollen shoot of cacao. I. The insect species involved, with notes on their biology. II. The bionomics and ecology of the species involved. Bull. ent. Res. 41. 1951, 725—748, 1 fig.; 42. 1951, 65—103, 3 fig.
- Todd, J. McA.**, An indigenous source of swollen shoot disease of cacao. Nature, London, 167. 1951, 952—953.

- Urquhart, D. H.**, Prospects of the growing of cacao in the British Solomon Islands, with notes on Malaya, Ceylon, and Java. [diseases] Cadbury Brothers Ltd., Bournville 1951. 44 p., 39 fig., 4 tab. geogr.
- Urquhart, D. H.**, and **Dwyer, R. E. P.**, Report on the prospects of extending the growing of cacao in the territory of Papua and New Guinea. [diseases] Cadbury Brothers Ltd., Bournville 1951. 39 p., 11 fig., 4 tab. geogr.
- West, J.**, Progress of work at WACRI. (West Africa Cacao Research Institute) on systemic insecticides carried out with Pest Control, Ltd. Cocoa, Choc. Confect. Alliance Rept. Cocoa Conf. 1951, 86—92.
- Wilson, J.**, The breeding of cacao. [Marasmius perniciosus] J. agric. Soc. Trinidad-Tobago 51. 1951, 303—314.
- Cacao research in the Gold Coast.** [diseases and pests of cacao] Int. Chocolate Rev. 6. 1951, 42—46, 65—69.
- How to control witchbroom disease of cacao.** Trinidad Dept. Agric. 1951, 3 p.
- Important advance in fight against swollen shoot; progress in control of mealybug.** Colon. Off., Inform. Dept., London, 1951, 2 p.
- Report of the cocoa conference held at Grosvenor House, London W. 1, 11th to 13th September 1951 (5. Sess.: Cocoa disease in the Gold Coast; 7. Sess.: Cocoa disease in Nigeria).** Cocoa, Choc., Confect. Alliance, Ltd., London 1951. XIII + 152 p., 24 tab.
- Swollen shoot disease of cocoa in West Africa.** World Crops 3. 1951, 262.
- West African Cacao Research Institute: Annual report April, 1949 to March, 1950.** 1951, 84 p.
- e. Kaffee — Coffee — Café**
- Abraão, J. A.** »podridão das raízes« do cafeeiro. (The »root rot« of coffee.) [Rosellinia] Bol. Serv. Café, São Paulo, 26. 1951, 738—739. — Biológico, São Paulo, 17. 1951, 87—89.
- Berry, P. A.**, e **Calderon, R.**, Plagas serias del cafeto en El Salvador. Cent. Nac. Agron. Circ. Agr. 46. 1951, 12 p.
- Camacho Corrales, C. A.**, Apuntes sobre el combate de Saissetia hemisphaerica y Aphis sp. (huevo de los cafetos). Suelo tico, San José, 5. 1951, 263—265.
- Castaño A., J. J.**, Interpretación de los síntomas y de los signos de la enfermedad de la macana (Ceratomyxa) en el café para el establecimiento de la diagnosis. Centr. Nac. Invest. Café Bibl. Bol. Inform. 2. 1951, nr. 19, p. 27—32.
- Castaño A., J. J.**, Investigaciones sobre una enfermedad de los cafetos en el Departamento de Nariño. Rev. Cafetera Colombia 10. 1951, 3813—3820.
- Castaño A., J. J.**, Principales causas predisponentes para la enfermedad de la »gotera (Omphalia flavida)« en nuestros cafetales. Rev. Cafetera Colombia 10. 1951, 3750—3756.
- Castaño A., J. J.**, Resultados de la investigación sobre una enfermedad del café en el Departamento de Nariño. [Glomerella sp.] Centr. Nac. Invest. Café Bibl. Bol. Inform. 2. 1951, nr. 21, p. 35—39.
- Cuevas, C.**, El control del pellejillo del cafeto (Pellicularia kolerogo). Café Nicaragua 7. 1951, nr. 75/76, p. 64—66.
- Cuevas, C.**, El mal del talluelo del café (damping-off). Café Nicaragua 7. 1951, nr. 75/76, p. 62—63.
- Da F. Ferrao, A. P. S.**, (Coffee insects.) Agron. Angolana 5. 1951, 13—84.
- Da Fonseca, J. P.**, (A supposed pest of the coffee tree (Perileucoptera coffeella).) Bol. Agric., São Paulo, 50 (1949). 1951, 375—384.
- De M. Morais, A.**, (The use of 2,4-D as selective herbicide in Coffea arabica and Theobroma cacao plantations.) Agros, Lisboa, 34. 1951, 85—88.
- Do Amaral, J. F.**, (The coffee leaf miner (Leucoptera coffeella).) Rev. Soc. Rur. Bras. 31. 1951, nr. 370, p. 52—54.
- Duque, J. P.**, La podredumbre negra de la raíz del cafeto. Café el Salvador 21. 1951, nr. 230, p. 31—37.
- Franz, E.**, Ein Kaffeebohnen-Schädling und sein Feind. [Araococcus fasciculatus] Natur u. Volk 81. 1951, 105—106, 2 Abb.
- González Mendoza, R.**, Algunas consideraciones sobre el complejo simbiótico cóccido-hormiga del sistema radicular del cafeto. Cent. Nac. Invest. Café Bibl. Bol. Inform. 2. 1951, nr. 15, p. 26—31.
- González Mendoza, R.**, Control de la hormiga »Arriera (Atta spp.)«. Rev. Cafetera Colombia 10. 1951, 3741—3749.
- González-Mendoza, R.**, »Palomilla« del cafeto. Cent. Nac. Invest. Café Bol. Ext. 8. 1951, 4 p.
- Guiseacré-Arrillaga, J.**, Nueva plaga en El Salvador, el grillo haitiano del cafeto (Chremom repentinus). Café El Salvador 21. 1951, 173—175.
- Machado, A.**, Los »nemátodos« y la decadencia de muchos cafetales y cultivos. Rev. Cafetera Colombia 10. 1951, 3572—3576.
- Mendes, L. O. T.**, (Determination of the biotic potential of the coffee berry borer, Hypothenemus (i. e. Stephanoderes) hampei (Ferr.) and considerations on the growth of its population.) VI, VII. An. Acad. bras. Cienc. (portug.) 23. 1951, 213—220; Mexico Ofic. Estud. Espec. Fol. Misc. 4. 1951, 233—245.
- Melville, A. R.**, Mealy bug (Anagyrus kivuensis) and Antestia. Coffee Board Kenya Mon. Bull. 16. 1951, 180—181.
- Morales, E.**, Informe sobre la »vaquita del café«. [Rhabdopterus jansonii] Suelo tico, San José, 5. 1951, 191—194.
- Moreau, C.**, et **Moreau, M.**, Pyrénomycètes du caféier en Côte d'Ivoire. Rev. Mycol., Suppl. colon., 16. 1951, nr. 1, p. 12—80, 21 fig.

- Netto, P. C.**, Coffee culture and pests.) Rev. Soc. Rur. Bras. (portug.) 31. 1951, nr. 367, p. 56.
- Notley, F. B.**, A note on Antestia control with DDT and Bordeaux mixture. East afr. agric. J. 16. 1951, 131—132.
- Notley, F. B., and Tapley, R. G.**, A note on White borer of coffee. [Anthores leuconotus] East afr. agric. J. 16. 1951, 130.
- Pereira, H. C.**, Weed-killing sprays for use in coffee. Coffee Board Kenya Mon. Bull. 16. 1951, 285.
- Pontis, R. E.**, A canker disease of the coffee tree in Colombia and Venezuela. Phytopathology 41. 1951, 178—184, 2 fig.
- Puttarudriah, M.**, Enforcement of Pest Act in respect of the coffee stem borer (Xylotrechus quadripes) control in Mysore State. Indian Coffee 15. 1951, 150—153.
- Quirós Calve, M.**, Ojo de gallo (Omphalia flavida Maub et Rang). Suelo tico, San José, 5. 1951, 65—69.
- Ramanathan, V., Ball, D. V., and Thomas, K. M.**, A review of the past experimental work on coffee in South India with suggestions for the future. Dir. Res., Coffee Res. Stat., Balehonnur (South India), 1951, 56 + 11 p.
- Rayner, R. W.**, Coffee berry disease. Coffee Board Kenya Mon. Bull. 16. 1951, 215—217.
- Rayner, R. W.**, Coffee berry disease in Upper Kiambu. Coffee Board Kenya Mon. Bull. 16. 1951, 160.
- Rayner, R. W.**, Tonic copper spraying. [leaf rust on coffee] Coffee Board Kenya Mon. Bull. 16. 1951, 212, 220.
- Saccas, A. M.**, La trachéomycose (carbunculariose) des Coffea excelsa, neo-arnoldiana et robusta en Oubangui-chari. [Gibberella xylarioides] Agron. trop. 6. 1951, 453—506, 23 fig., 2 tab.
- Schaller, H. L.**, Proteja sus cosechas de los ratones. [warfarin] Rev. Café 7. 1951, 20—21.
- Seixas, C.**, (The coffee leaf miner (Perileucoptera coffeella).) Rev. Soc. Rur. Bras. (portug.) 31. 1951, nr. 367, p. 38—41.
- Seixas, C.**, (Why coffee attacked by Stephanoderes hampei?) Bol. Serv. Café, São Paulo, 26. 1951, 133—134.
- Smith, O., Orsenigo, J. R., and Gertsch, M. E.**, Chemical weed control in coffee. Turrialba 1. 1951, 280—283.
- Szkolnik, M.**, Coffee trunk and stem canker in Guatemala. Plant Dis. Repr. 35. 1951, 500—501.
- Urhan, O.**, Llago y marchitamiento del cafeto causado por Myrothecium roridum Tode. (Canker and wilt of coffee caused by Myrothecium roridum Tode.) Bol. inf. Colombia 2. 1951, nr. 16, p. 33—45.
- Wellman, F. L.**, Control del «ojo de gallo», Omphalia flavida, por medio de las deshoja de cafetos enfermos. (Control of «cock's eye», Omphalia flavida, by means of defoliation of diseased coffee trees.) Suelo tico, San José, 5. 1951, 42—51, 1 fig.
- Wellman, F. L.**, Señor cafetalero, controle el «ojo de gallo». [Omphalia flavida] Suelo tico, San José, 5. 1951, 125—128.
- Wellman, F. L.**, Tree defoliation for control of Omphalia disease of coffee. Phytopathology 41. 1951, 38.
- Wellman, F. L., Walker, J. C., Cook, A., and Gallegly jr., M.**, Effects of temperature on vegetative growth of five coffee disease fungi. Mexico Of. Estud. Espec. Fol. Misc. 4. 1951, 251—257.
- Wellman, F. L., and Quesada, T. R.**, Certain factors limiting Cercospora disease on coffee leaves. Mexico Of. Estud. Espec. Fol. Misc. 4. 1951, 246—251.
- Desyerbas con machete y plantas de cobertura en los cafetales.** Centr. Nac. Invest. Café Bol. Ext. 13. 1951, 4 p.

f. Kautschuk

Caoutchouc — Caoutchouc

- Ashplant, H.**, Plantation research in Ceylon. Progress of Oidium defence experiments. [Hevea] India Rubber J. 120. 1951, 625—626, 1 fig.
- Carpenter, J. B.**, Target leaf spot of the Hevea rubber-tree in relation to host development, infection, defoliation, and control. [Pellicularia filamentosa] U.S. Dept. Agric. Techn. Bull. 1028. 1951, 34 p., 16 fig.
- Dijkman, M. J.**, Hevea. Thirty years of research in the Far East. Miami Univ. Press, Coral Gables (Florida) 1951. XXII + 329 p., 154 fig.
- Imle, E. P., Manis, W. E., e Camacho, E.**, Un nuevo sistema en el arreglo de almacigales de Hevea brasiliensis en la América Tropical y su relación al control de la enfermedades. Mexico Of. Estud. Espec. Fol. Misc. 4. 1951, 267—273.
- Ozerov, G. V.**, (In regard to cold resistance of guayule.) Dokl. Akad. Nauk USSR. 80. 1951, 265—267.
- Ozerov, G. V., and Smol'skii, N. V.**, (Frost resistance of guayule in relation to age of plants and soil moisture during freezing.) Dokl. Akad. Nauk USSR. 80. 1951, 969—972.
- Tixier, P.**, The injection of trace elements, especially of copper in the form of sulphate, into the Hevea brasiliensis tree. J. Rubber Res. Inst. Malaya 13. 1951, 192—199.
- Tixier, P.**, Oidium des hévéas. Bull. agric. Congo belge 42. 1951, 671—674.
- Young, H. E.**, Crown budding for Oidium resistance. Rubber Res. Inst. Ceylon Adv. Circ. 32. 1951, 3 p.

- Young, H. E.**, Mycology department. [Hevea] Rubber Res. Bd. Ceylon Rept. 1950. 1951, 18—23.
- Young, H. E.**, Root disease in replanted areas. Rubber Res. Inst. Ceylon Adv. Circ. 31. 1951, 4 p.
- Pink disease.** [Corticium salmonicolor] Rubber Res. Inst. Malaya Circ. nr. 33. 1951, 6 p., 1 fig.
- Treatment of wounds.** [on rubber] Rubber Res. Inst. Malaya Circ. nr. 32. 1951, 3 p.
- g. Knollengewächse**
Tuberous plants — Plantes à tubercules
- Bissell, T. L.**, How to control insect pests of sweet-potatoes. Maryland agric. Coll. Ext. Fact Sheet 28. 1951, 2 p.
- Brunner, S. C., y Valdés Barry, F.**, Insectos enemigos del boniato. Agrotecnia 5. 1951, 20—24.
- Chuman, K.**, (The damage of sweet-potato caused by briny wind accompanied with the typhoon grace.) J. agric. Meteorol. Tokyo, 7. 1951, 30—32.
- Cooley, J. S., and Kushman, L. J.**, Effect of pasteurization on black rot of sweet-potatoes. Phytopathology 41. 1951, 801—803.
- Cordner, H. B., Struble, F. B., and Morrison, I. S.**, Reaction of sweet-potato varieties and seedlings to root-knot nematode. Assoc. south. agric. Workers Proc. 48. 1951, 119 (Abstr.).
- Du Toit, J. J.**, Pleospora herbarum (Pers.) Rabh. (konidiese stadium Stemphylium botryosum Wallr.) op patats. (Pleospora herbarum (Pers.) Rabh. (conidial stage of Stemphylium botryosum Wallr.) on sweet-potatoes.) Union South Afr. Dept. Landbou-wetensk. Pamphl. 301. 1951, 47 p.
- Endo, S., and Takatu, S.**, (Studies on the black-spot disease of sweet-potato. V. Influence of Fusarium sp. and Colletotrichum sp. isolated from the diseased regions of black-spot disease of sweet-potato caused by Macrosporium bataticola Ikata, on the occurrence of black spot disease and its symptoms.) (Forsch. Pfl.krankh.), Kyoto, 4. 1951, 189—191.
- Freire, J. R. J.**, (Considerations on the problem of Xanthomonas manihotis of cassava.) Rev. Agron., Porto Alegre, 15. 1951, 103—104.
- Fujikawa, T., and Ozoe, S.**, (X-bodies found in the cells of mosaic-affected taro (Colocasia gigantea Hook. f.) leaves.) Ann. phytopath. Soc. Japan 15. 1951, 131—132, 2 fig.
- Gondo, M.**, (Intolerance of virus diseased sweet-potato to KClO₃ solution.) Kyushu Univ. Fac. Agric. Sci. Bull. 13. 1951, 32—35.
- Goto, S., and Hasuko, E.**, (On the treatment with chloropicrin for the nematic root-rot of sweet-potato.) Kyushu Noji Shikinjō 8. 1951, 95—96.
- Grogan, R. G., and Hanna, G. C.**, Sweet-potato internal cork in California. Plant Dis. Repr. 35. 1951, 230—231.
- Hikita, I., and Kakimoto, S.**, (An experiment on the saving of weeding labour in the sweet-potato field.) Kyushu Noji Shikinjō 8. 1951, 131—132.
- Jeffers, W. F., and Moore, J. E.**, Use of phenyl mercury triethanol ammonium lactate for control of sweet-potato diseases. Phytopathology 41. 1951, 562.
- Lee Ling and Jenkins, A. E.**, Additional old world distribution of stem and foliage scab of sweet-potato. Plant Dis. Repr. 35. 1951, 120.
- McClure, T. T.**, Fusarium foot rot of sweet-potato sprouts. Phytopathology 41. 1951, 72—77, 1 fig.
- McGahan, J. W., Wheeler, H. E., and Chilton, S. J. P.**, Factors conditioning sexuality in a Glomerella from Ipomoea. Phytopathology 41. 1951, 25.
- Martin, W. J., and Person, L. H.**, Surface rot of Porto Rican sweet-potatoes. Phytopathology 41. 1951, 228—230, 2 fig.
- Moore, J. E.**, Comparison of certain sweet-potato varieties and their high carotene mutants as to susceptibility to disease. Phytopathology 41. 1951, 564.
- Nielsen, L. W.**, Cooler temperatures stop cork! [on sweet-potatoes] Res. and Farming (North Carolina) 10. 1951, Progr. Rept. nr. 2, p. 6—7, 3 fig.
- Nielsen, L. W.**, Influence of temperature on the development of internal-cork symptoms in sweet-potato roots. Phytopathology 41. 1951, 28.
- Nishikado, Y., and Hiura, U.**, (On Macrophoma edulis d'Almeida causing a storage rot of sweet-potato.) Nogaku Kenkyu (jap.) 39. 1951, 117—120. — Ber. Ohara-Inst. landw. Forsch., Kurashiki, 39. 1951, nr. 3, p. 37—40, 1 tab.
- Ohira, H.**, (Notes on the sweet-potato leaf folder (Brachmia macroscopa) and its natural enemies. (Preliminary report.)) Oyo-Kontyu 7. 1951, 63—64 (Abstr.).
- Sherman, M.**, Chemical control of sweet-potato insects in Hawaii. [Omphisa anastomosalis, Euscapes post-fasciatus and Cylas formicarius elegantulus] J. econ. Ent. 44. 1951, 652—656.
- Sherman, M., and Mitchell, W. C.**, The chemical control of sweet-potato insects. Hawaiian agric. Exp. Stat. Progr. Notes 71. 1951, 6 p.
- Smith, P. G., and Michael, R.**, Use of heat to control sweet-potato black rot. Phytopathology 41. 1951, 943—944.
- Smoot, J. J.**, Streptomyces isolates pathogenic to sweet-potatoes in Maryland. Phytopathology 41. 1951, 565.

- Summers, E. M.**, »Ishuku-Byo« (Dwarf) of sweet-potato in the Ryukyu Islands. *Plant Dis. Repr.* 35. 1951, 266—267, 2 fig.
- Summers, E. M.**, Witches broom (Ishuku-Byo) of sweet-potatoes in the Ryukyu Islands. (Second report.) *Plant Dis. Repr.* 35. 1951, 494.
- Tagami, Y.**, (A graft-transmissible disease of sweet-potato.) *Ann. phytopath. Soc. Japan* 15. 1951, 135—136.
- Weddell, J. A.**, The sweet-potato weevil (*Cylas formicarius*). *Queensland agric. J.* 73. 1951, 25—26.
- Wilcox, M. S.**, and **Ezell, B. D.**, Storage temperature and the development of internal cork in sweet-potatoes. *Phytopathology* 41. 1951, 477—479.
- Insect pests of sweet-potatoes.** New South Wales Dept. Agric. *Insect Pest Leaf.* 78. 1951, 4 p.
- Sweet-potato weevil** (*Cylas formicarius elegantulus*) control. U.S. Dept. Agric., Bur. Ent., *Plant Quar.*, 1951?, 1 p.
- h. Kokosnuß und andere Palmen**
Coco-nut and other palms
Cocotier et autres palmiers
- Bain, F. M.**, y **Fedón C., S. A.**, Investigaciones sobre anillo rojo (*Aphelenchus cocophilus*) del cocotero. *Agron. trop.*, Maracay, 1. 1951, 103—130.
- Cevallos G., M. A.**, Plan de trabajo a realizarse en la campaña contra las plagas »gualpa«, »cernidera« y »gusano chato« del cocotero en la Península de Cujimies e Isla de Esmeraldas contigua. *Bol. Consorcio Cent. Agr.*, Manabí (Ecuador), 12. 1951, nr. 66, p. 41—43.
- Ciferri, R.**, Bronze leaf of coconut palm in the Dominican Republic and Venezuela. *Phytopathology* 41. 1951, 765—766.
- Clara, F. M.**, The mosaic disease of the abacá plant and the cadang-cadang disease of the coconut. *Philipp. Assoc. Agric. agric. Yearb.* 1949/50. 1951, 118—122.
- Darley, E. F.**, and **Wilbur, W. D.**, Progress report on rhizosis or rapid decline of the date palm. *Date Growers' Inst. Rept.* 28. 1951, 5—8.
- Ferrand, M.**, **Bachy, A.**, et **Ollagnier, M.**, Les carences en oligo-éléments dans les sols du Moyen Congo. *Compt. rend. Acad. Sci.*, Paris, 233. 1951, 1218—1220.
- Ferrand, M.**, **Bachy, A.**, and **Ollagnier, M.**, Trace elements in fertilisers for oil-palms in Middle-Congo. *Oleagineux* 6. 1951, 629—636.
- Franco, E.**, (The coconut worm (*Mecistomela corallina*)). *Seleç. Agric.* 6. 1951, nr. 65, p. 35—41.
- Fraselle, J. V.**, Experimental evidence of the pathogenicity of *Fusarium oxysporum* Schl. f. to the oil palm (*Elaeis guineensis* J.). *Nature*, London, 167. 1951, 447.
- Fraselle, J. V.**, *Fusarium oxysporum* Schl. f. as the cause of vascular wilt disease of the oil palm (*Elaeis guineensis*). *Trans. brit. mycol. Soc.* 34. 1951, 492—496.
- Griebel, C.**, Durch Pilzbefall verdorbene Cocosnüsse. *Ztschr. Lebensm.-Untersuchg. u. -Forsch.* 92. 1951, 184—185.
- Jover, H.**, **Galichet, P.**, et **Vuillaume, M.**, Sur la biologie des chenilles de *Pimelephila ghesquieri* Tams parasite des palmiers à huile en pépinière. *Rev. Path. vég. Ent. agric. France* 30. 1951, 149—158, 1 fig., 1 tab.
- Kamal, M.**, *Stemphyllium ilicis* on *Livistona mauritiana* Wall. *Curr. Sci.* 20. 1951, 276—277.
- Lever, R. J. A. W.**, A new coconut pest in Singapore. [*Promeotheca cumingi*] *Malayan agric. J.* 34. 1951, 79—92.
- Lindgreen, D. L.**, **Vincent, L. E.**, and **Gerhardt, P. D.**, Report on date-insect and date-mite control investigations. *Date Growers' Inst. Rept.* 28. 1951, 4—5.
- Meiffren, M.**, Note préliminaire sur l'étude de la maladie des cocotiers au Togo. *Agron. trop.* 6. 1951, 163—172, 11 fig.
- Mesa-Bernal, D.**, Consideraciones sobre la enfermedad del cocotero, denominada comunmente »enanismo de la hoja«, »hoja pequeña« o »porroca«. I—III. *Agron. trop.* 7. 1951, nr. 9, p. 37—42; nr. 10, p. 45—50; nr. 11, p. 39—42.
- Nirula, K. K.**, **Antony, J.**, and **Menon, K. P. V.**, Investigations on the pests of the coconut palm. 2. Comparative studies with different insecticides in relation to the control of the grubs of the rhinoceros beetle (*Oryctes rhinoceros*, L.). *Indian Coconut J.* 4. 1951, 49—56.
- Pootjes, J. R.**, (Guide to field investigation and control of the Artona pest.) [on coconuts] *Landbouw, Bogor*, 23. 1951, 563—586.
- Savostin, P.**, Bacterias destructoras de la celulosa, en sus relaciones con los frutos de las palmas. *Acta Cient. Venezol.* 2. 1951, 76—78.
- Serrano, P.**, Small farmer discovers cure for cadang-cadang. [on coconuts] *Agric., ind. Life* 13. 1951, 25.
- Simmonds, H. W.**, Premature nutfall on Taveuni. [coconut pests and diseases] *Fiji Dept. Agric. agric. J.* 22. 1951, 22—24.
- Swezey, O. H.**, Insect fauna of a coconut tree. *Hawaiian ent. Soc. Proc.* 14. 1951, 377—378.
- Way, M. J.**, An insect pest (*Theraptus* sp.) of coconuts and its relationship to certain ant species. *Nature*, London, 168. 1951, 302.

i. Nutzhölzer
Timbers — Bois d'oeuvre

- Champion, F. W.**, Subsidiary silvicultural operations in Tanganyika. [camphor wood] East afr. agric. J. 17. 1951, 19—23.
- Diéguez Castro, J.**, La enfermedad de los paltos en la region de Chanchamayo. [fungus] Mensajero Agric. (Perù) 62. 1951, 37—39.
- Gupta, R. S.**, The soils of the Casuarina plantations with special reference to the causes of casualties (wholesale and in patches) in some of the areas. [Trichosporium vesiculosum] Indian Forester 77. 1951, 479—499, 2 fig., 3 tab.
- Hambleton, E. J., and McClure, F. A.**, Rhinoceros beetle, *Podischnus agenor* (Ol.), damages bamboo shoots. Turrialba 1. 1951, 199—201.
- Harrow, K. M.**, Impregnation of tawa (*Beilschmiedia tawa* Benth. and Hook. f.) with boric acid by diffusion. I. Changes in distribution of boric acid with time after treatment. II. Effects of some variables upon loading and distribution of boric acid in this timber. New Zealand J. Sci., Techn. (B) 32. 1951, nr. 4, p. 28—38, 2 fig.
- Harrow, K. M.**, Preservative treatment of tawa (*Beilschmiedia tawa* Benth. and Hook. f.) by pressure impregnation. New Zealand J. Sci., Techn. (B) 32. 1951, nr. 5, p. 44—48.
- Heqvist, K. J.**, (Two *Dinoderus* species imported into Sweden with bamboo (*Bostrychidae*, Col.)) Ent. Tidskr. 72. 1951, 70—73.
- Hussain, M. S.**, *Fomes roseus* (A. et S.) Cke. in Pakistan. Pakistan J. Forestry 1. 1951, 234—237.
- Jover, H.**, Note préliminaire sur les modalités du l'attaque du bois d'avodiré (*Turreanthus africana* Welw. Pellegrin) par différents coléoptères xylophages en Basse-Côte-d'Ivoire. Rev. Path. vég. Ent. agric. France 30. 1951, 54—55.
- Kadambi, K.**, Teak defoliation. [due to caterpillars of *Hyblosa peura*] Indian Forester 77. 1951, 64—70, 3 fig.
- Khan, A. H.**, Some diseases observed in the teak plantations of East Bengal. [*Olivea* (*Chaconia*) *tectonae*] Pakistan J. Forestry 1. 1951, 209—212, 2 fig.
- Lagasse, F. S.**, Zinc deficiency in tung trees. Amer. Tung Oil Assoc. Proc. 18. 1951, 13—15.
- Mahmud, K. A., and Nema, K. G.**, Collar rot of *Dalbergia sissoo* Roxb. due to *Rhizoctonia* (*Corticium*) *solani* Kuhn. Indian Forester 77. 1951, 149.
- Pact, J.**, Fungus and related diseases of the genus *Catalpa* (*Bignoniaceae*). Sydowia 5. 1951, 160—168, 3 fig.
- Patel, M. K., Payak, M. M., and Kulkarni, N. B.**, Additions to fungi of Bombay. II. A new *Dasturella* on *Boswellia serrata* Roxb. Indian Phytopath. 4. 1951, 71—73, 2 fig.
- Plank, H. K., and Hageman, R. H.**, Starch and other carbohydrates in relation to powder-post beetle infestation in freshly harvested bamboo. [*Dinoderus minutus*] J. econ. Ent. 44. 1951, 73—75, 2 fig.
- Potter, G. F., and Crane, H. L.**, Tung production. [*Aleurites fordii*] U.S. Dept. Agric. Farmers' Bull. 2031. 1951, 41 p., 19 fig., 1 tab. geogr.
- Roepeke, W. K. J.**, The genus *Trabala* Walk. in the Far East (Lep. Het. fam. Lasiocampidae). Meded. Landbouwhoges., Wageningen, 50. 1951, 104—133, 14 tab.
- Roonwal, M. L.**, Practical directions for the prophylactic treatment of timber, bamboos and plywood for protection against insect damage. Indian Forester 77. 1951, 648—650.
- Saccas, A. M., et Drouillon, R.**, Étude macroscopique et microscopique de quelques champignons parasites des Aleurites en Afrique équatoriale française. [*Phyllosticta*] Agron. trop. 6. 1951, 239—264, 18 fig.
- Sallenne, P.**, Protection of logs after felling in tropical forests. U. Nat. Sci. Conf. Conserv., Util. Resources Proc. 5. 1951, 279—282.
- Simmonds, F. J.**, Further effects of the defoliation of *Cordia macrostachya* (Jacq.) R. and S. Canad. Ent. 83. 1951, nr. 1, p. 24—27.
- Sitaraman, N. L.**, Studies on the common bombooborer, *Dinoderus ocellaris* Steph. Part III. Biology. Proc. Indian Acad. Sci. (Sect. B) 34. 1951, 148—156.
- Srivastava, H. C., and Mehta, P. R.**, A new species of *Cercospora* on *Grewia asiatica* Linn. [*C. grewiae*] Indian Phytopath. 4. 1951, 67—70, 2 fig.
- Van Alphen de Veer, E. J., and Sudiro, M.**, Observations on the attack of *Zeuzera coffeae* Nietn. on *Balsa*. Tectona, Bogor, 41. 1951, 137—139, 3 fig.
- Van Bottenberg, M.**, Defensa de los recursos naturales renovables. Agron. trop. 7. 1951, nr. 8, p. 29—31.
- Vital, A. F.**, Um caso interessante de simbiose entre *Stysanus microsporus* Sacc. e *Platypus difficilis* Chapp. sobre *Eschweilera luschnathii* Miers. (An interesting case of symbiosis between *Stysanus microsporus* Sacc. and *Platypus difficilis* Chapp. on *Eschweilera luschnathii* Miers.) Bol. Secr. Agric., Ind., Com. Est. Pernambuco 18. 1951, 177—179.
- Vrydagh, J. M.**, Faune entomologique des bois du Congo belge. Les insectes bostrychides (1. note). Bull. agric. Congo belge 42. 1951, 65—90, 18 fig.
- Wellman, F. L., and Grant, Th. J.**, An apparent virus disease of *Casuarina* in the American tropics. Plant Dis. Repr. 35. 1951, 498—499.
- Williams, J. R.**, The bionomics and morphology of *Brenthia leptocosma* Meyrick (Lep., Glyphipterygidae). [*Cordia macrostachya* (Jacq.) Roem. et Schult.] Bull. ent. Res. 41. 1951, 629—635, 13 fig.

- Wolcott, G. N.**, The termite resistance of pinosylvin and other new insecticides. [Cryptotermes brevis against Tectona grandis] J. econ. Ent. 44. 1951, 263—264.
- Vergelijkend onderzoek** naar de duurzaamheid tegen paalworm van tropisch hout in Nederland, twaalfde verslag. (12. Bericht über die Widerstandsfähigkeit tropischer Hölzer gegen Teredo in Holland.) In: Inlichtingen en onderzoekingen van de Afdeling Tropische Produkten in 1950. Koninkl. Inst. Trop., Amsterdam, Meded. nr. 95. 1951, p. 15—18.
- Le wilt du Casuarina.** Rev. int. Bot. appl. Agric. trop. 31. 1951, 241—242.
- k. Obst — Fruits — Fruits**
- Anderson, E. J.**, Effect of nutrient salt concentrations on infection of pineapple roots by Phytophthora cinnamomi. Phytopathology 41. 1951, 2.
- Anderson, E. J.**, The Phytophthora cinnamomi problem in pineapple fields of Hawaii. Phytopathology 41. 1951, 1.
- Avidov, Z., and Ben-Haim, N.**, (Heliothrips on avocado.) Hassadeh (hebr.) 31. 1951, 413—416.
- Banerji, S., and Chatterji, N. C.**, Altica (Haltica) coerulea, Oliver, as flower feeding beetle of mango. Sci. and Cult. 17. 1951, 179—180.
- Bazán de Segura, C.**, Carica papaya, another possible host of Phytophthora cinnamomi. Plant Dis. Reprtr. 35. 1951, 335.
- Bazán de Segura, C.**, La enfermedad de los paltos de Chanchamayo. (The avocado disease of Chanchamayo.) [Phytophthora cinnamomi] Bol. Est. Exp. agríc., Lima, 42. 1951, 7 p., 7 fig.
- Bensaude, M., and Jenkins, A. E.**, An obscure disease of banana. Phytopathology 41. 1951, 3.
- Bongini, V.**, Cancro del cachi da Phomopsis diospyri n. sp. (Canker of the kaki caused by Phomopsis diospyri n. sp.) Ann. Sperim. agr., Roma, n. ser. 5. 1951, 273—281, 6 fig.
- Brun, J.**, L'antracnose du manguier en Guinée. [Glomerella cingulata sur Mangifera indica] Fruits outre mer 6. 1951, 475—476, 2 fig.
- Brun, J.**, Pourriture de la hampe et »degrain« des bananes. Fruits outre mer 6. 1951, 374—376.
- Campacci, C. A.**, Ocorrência de Phytophthora parasitica Dast. em mamoeiro. (Occurrence of Phytophthora parasitica Dast. on papaw.) Biológico, São Paulo, 17. 1951, 142—143, 1 fig.
- Cannon, R. C.**, Chemical control of weeds in pineapples. Queensland Prod. 32. 1951, nr. 28, p. 19—20.
- Carter, W.**, The feeding sequence of Pseudococcus brevipes (CKL) in relation to mealybug wilt of pine-apples in Hawaii. Phytopathology 41. 1951, 769—780.
- Chandraratna, M. F., and Nanayakkara, K. D. S. S.**, Cultivated varieties of banana in Ceylon. [resistance to Fusarium oxysporum] Trop. Agriculturist 107. 1951, nr. 2, p. 70—91, 3 tab.
- Cuillé, J.**, Récentes améliorations des procédés de lutte utilisables contre le charancon du bananier (Cosmopolites sordidus Germ.). Fruits outre mer 6. 1951, 280—284.
- Daudin, J., and Lauriol, F.**, Essais de traitement des régimes de bananes contre la pourriture de la hampe. Fruits outre mer 6. 1951, 184—188.
- De Andrade, A. C.**, O controle da ferrugem da goiabeira por meio de pulverizações. (Control of guava rust by spraying.) [Puccinia psidii] Arq. Inst. biol., São Paulo, 20. 1951, 127—146, 3 fig.
- De Andrade, A. C.**, (The rust (Puccinia psidii) of guava and its control.) Biológico, São Paulo, 17. 1951, 103—108.
- Dipler, R. V.**, La mancha de la hoja del banano. Rev. Agric. Com., Ind. (Panama) 9. 1951, nr. 113/114, p. 37—40.
- Doutt, R. L.**, A comparative study of spermatozoa in relation to the classification of mealybugs. Proc. hawaiian ent. Soc. 14. 1951, 391—397.
- Fronk, W. D., y Dobbins, T. N.**, Pruebas del control de las pestes del mani con insecticidas. Hacienda 46. 1951, nr. 10, 37—39.
- Gustafson, C. D.**, Frost protection of young avocado trees. Calif. Avocado Soc. Yearb. 1951, 84—86.
- Guzmán, V. L.**, El problema de los paltos en Chanchamayo. (The avocado problem in Chanchamayo.) [Phytophthora cinnamomi] Inf. Estac. agric. La Molina 73. 1951, 9 p., 4 fig.
- Halma, F. F., and Smoyer, K. M.**, Coldhardiness of young avocado trees on Mexican and Guatemalan rootstocks. Calif. Avocado Soc. Yearb. 1951, 75—78.
- Halma, F. F., and White, F. A.**, Relative susceptibility of avocado rootstocks to chlorosis. Calif. Avocado Soc. Yearb. 1951, 153—156.
- Harkness, R. W.**, Weed control studies around young avocado trees. Florida State hortic. Soc. Proc. 63 (1950). 1951, 251—261.
- Kamat, M. N., and Patel, M. K.**, Notes on two important plant diseases in Bombay State. [Ephelis oryzae on banana bunchy top virus] Plant Prot. Bull., New Delhi, 3. 1951, nr. 1, p. 16.
- Lima, A. D. F.**, (Attack by powdery mildew.) [Zizyphus jujuba] Seleç Agr. [portug.] 6. 1951, nr. 60, p. 28.

- Lima, A. D. F.**, (The chief enemy of the guava.) [Risama falcata] Seleg. Agr. 6. 1951, nr. 59, p. 45—46.
- McKnight, T.**, A wilt disease of the passion vine (*Passiflora edulis*) caused by a species of *Fusarium*. Queensland J. agric. Sci. 8. 1951, nr. 1, p. 1—4, 2 fig.
- Magee, C. J.**, Squirter and black-end disease of bananas. [*Nigrospora sphaerica*] New South Wales Dept. Agric. Plant Dis. Leaf. 74. 1951, 3 p.
- Merny, G., Guyot, H., et Daudin, J.**, La maladie de sigatoka (*Cercospora musae* Zimm.) aux Antilles — françaises. Fruits outre mer 6. 1951, 229—234.
- Miller, E. V.**, Physiological studies of the fruits of the pineapple (*Ananas comosus* (L.) Merr.) with special reference to physiological breakdown. Plant Physiol. 26. 1951, 66—75.
- Nair, T. G., and Sundararaj, D. D.**, Abnormalities in bananas. Indian J. Hort. 8. 1951, nr. 3, p. 24—27.
- Oldham, H., and Thorne, F.**, Six-spotted mite (*Tetranychus sexmaculatus*) attacks avocados. Calif. Citrogr. 36. 1951, 384.
- Olson, E. O.**, Observations on diseases of avocado and papaya in Texas. Texas agric. Exp. Stat., Weslaco 1951, 39, 42 p.
- Oxenham, B. L.**, Water blister (*Thielaviopsis paradoxa*) of pineapples. Queensland Fruit, Veg. News 1. 1951, nr. 19, p. 8.
- Pence, R. J.**, Six-spotted mite (*Tetranychus sexmaculatus*) on avocado; spray and dust applications of various acaricides tested against pest causing serious defoliation. Calif. Agric. (Calif. Stat.) 5. 1951, nr. 12, p. 5—6.
- Pierre-Louis, F.**, La maladie de la sigatoka sur le bananier musque (*Musa paradisiaca*) en Haiti. [*Cercospora musae*] Bull. Agric. 1. 1951, nr. 8, p. 3—5.
- Plazas M., G.**, Una afección de la *Musa paradisiaca* y otras Musaceas. [caused by nematodes] Acta Agron. 1. 1951, 133—167.
- Reinking, O. A.**, Banana mosaic in Borneo and its relationship to abacá mosaic in the Philippines. Plant Dis. Repr. 35. 1951, 31—32.
- Reinking, O. A.**, Soil in relation to banana and abacá diseases. J. Soil Sci. Soc. Philipp. 3. 1951, 21—25.
- Ribeiro, J. H. C.**, (An oecophorid on mango leaves (*Lepidoptera*, *Tineoidea*.) [*Himmacia crossota* (i. e. *Machimia crossota*)] Agronomia, Rio de Janeiro, 10. 1951, 105—108.
- Sabrosky, C. W.**, Two new species of *Pseudiasata* (Dipt., *Drosophilidae*) predacious on the pineapple mealybug. [*Pseudococcus brevipes* Ckll.] Bull. ent. Res. 41. 1951, 623—627, 8 fig.
- Sacantania, K.**, L'élevage permanent de *Ceratitis capitata* Wied. sur banane. Compt. rend. Soc. Biol., Paris, 145. 1951, 1802—1805.
- Simmonds, J. H.**, A little known parasitic flowering plant (*Balanophora fungosa*). [on papayas] Queensland Nat. 14. 1951, 66—68.
- Spencer, H.**, Foreign mango insects. In: Florida Mango Forum (Mango Studies, Stuart 1951), p. 60—63.
- Sturrock, D.**, Frost protection for young mango trees. In: Florida Mango Forum (Mango Studies, Stuart 1951), p. 47—49.
- Sun, S. K.**, (Mango anthracnose and its control experiment.) Agric. Res. 2. 1951, nr. 3, p. 83—90.
- Thomson, A. G.**, Banana research. [Panama disease (*Fusarium cubense*) and resistant varieties] Food, London, 20. 1951, 444—445.
- Tomasello, R.**, Sprays for mangos. In: Florida Mango Forum (Mango Studies, Stuart 1951), p. 53—55.
- Verma, G. S., and Kamal, M.**, Rot of *Mangifera indica* L. caused by *Aspergillus*. Curr. Sci. 20. 1951, 68—69, 1 fig.
- Watson, A. J., and Jenkins, A. E.**, Interceptions of foreign *Sphaceloma perseae* of particular significance. Plant Dis. Repr. 35. 1951, 416—417, 1 fig.
- Wolfenbarger, D. O.**, *Dictyospermum* scale (*Chrysomphalus dictyospermi*) control on avocados. Florida Ent. 34. 1951, 54—58.
- Wolfenbarger, D. O.**, Newer pesticide materials in insect and mite control on mangos. [mites and thrips] In: Florida Mango Forum (Mango Studies, Stuart 1951), p. 56—59.
- Wolfenbarger, D. O.**, Some notes on mango insects. In: Florida Mango Forum (Mango Studies, Stuart 1951), p. 50—52.
- Wolfenbarger, D. O., and Spencer, H.**, Insect control on pineapples. [*Pseudococcus brevipes* etc.] Florida agric. Exp. Stat. Circ. S-36. 1951, 6 p.
- Yagi, J.**, (Gist of quarantine on imported banana.) Jap. J. Plant Prot. 23. 1951, 16—19.
- Yale jr., J. W., and Johnstone, G. R.**, The occurrence and effects of *Cephalothecium roseum* on avocado. Calif. Avocado Soc. Yearb. 1951, 179—185.
- Zentmyer, G. A.**, Avocado diseases. Calif. Avocado Soc. Yearb. 1951, 97—101. — Citrus Leaves 31. 1951, nr. 11, p. 10—11.
- Zentmyer, G. A.**, 5,000 times enlarged. [*Phytophthora cinnamomi* on avocado] Calif. Citrogr. 36. 1951, 305.
- Zentmyer, G. A., and Klotz, L. J.**, Fungicides for the control of avocado fruit rot. [*Botryosphaeria ribis*] Phytopathology 41. 1951, 946.
- Zentmyer, G. A., and Popenoe, W.**, *Phytophthora cinnamomi* on avocado in Honduras. Plant Dis. Repr. 35. 1951, 25. — Calif. Avocado Soc. Yearb. 1951, 102.

- Zentmyer, G. A., and Schroeder, C. A., Research on rootstocks resistant to avocado root rot. Calif. Avocado Soc. Yearb. 1951, 157—158.
- Ethylene dibromide fumigation approved as a condition for certification of certain fruits and vegetables under Hawaiian fruit and vegetable quarantine No. 13. U.S. Dept. Agric. Bur. Ent., Plant Quar. 592. 1951, 2 p.
- Ethylene dibromide fumigation approved as a condition for certification of mangoes under Puerto Rican fruit and vegetable quarantine No. 58. US Dept. Agric., Bur. Ent., Plant Quar., B. E. P. Q. 594. 1951, 2 p.
- ### 1. Tee — Tea — Thé
- Careshe, L., et Metaye, R., Études concernant la lutte contre deux rhynchotes nuisibles au théier dans le Haut-Donnai. [Helopeltis theivora, Empoasca flavescens] Arch. Rech. Agron. Cambodge, Laos Viêtنام, 9. 1951, 31 p.
- De Jong, P., Copper fungicides in the control of blister blight of tea in South India. Plant Prot. Overseas Rev. 2. 1951, nr. 4, p. 17—22, 2 tab.
- De Jong, P., More on the control of blister blight. [Exobasidium vexans] Planters' Chron. 46. 1951, nr. 2, p. 35—39.
- De Jong, P., Time for tea. [control of blister blight] Planters' Chron. 46. 1951, 522—525.
- De Jong, P., The use of seed dressings in the control of fungus diseases of tea seed. Planters' Chron. 46. 1951, nr. 4, p. 91—92.
- Haworth, F., Distribution of copper containing dusts. Tea Quart. (J. Tea Res. Inst.), Ceylon, 22. 1951, 118—120.
- Huysmans, C. P., and Gonggrijp, J., (Chemical weed control in tea.) Bergcultures, Buitenzorg, 20. 1951, 209, 211, 213.
- Johnston, A., Blister blight of tea in Malaya. 2. Results of two spraying experiments. [Exobasidium vexans] Malayan agric. J. 34. 1951, 160—165, 1 fig., 3 tab.
- Lamb, J., Loos, C. A., and Portsmouth, G. B., Crop protection courses 1951. I—VI. [tea diseases] Tea Quart. (J. Tea Res. Inst.), Ceylon, 22. 1951, 55—92.
- Laycock, D. H., The spread of the tea bush and the control of weeds. Nyasaland agric. quart. J. 10. 1951, 14—23.
- Lewis, R. A., Science in the tea cup. [control of insect pests in tea culture] Coffee, Tea Ind. 74. 1951, nr. 2, p. 51.
- Loos, C. A., Pathological problems. Tea Quart. (J. Tea Res. Inst.), Ceylon, 22. 1951, nr. 1, p. 27—30.
- Loos, C. A., Studies in blister blight control. VII. Power dusting with 'cuprosana' dusts containing 2, 4 and 6 per cent. of copper. VIII. Trials conducted with the 'micron' power sprayer in connection with the application of oil-based copper fungicides. [Exobasidium vexans] Tea Quart. (J. Tea Res. Inst.), Ceylon, 22. 1951, 126—132, 133—136.
- Parfenowa, J. I., und Troitzki, A. I., (Über mögliche Gründe des Welkens von Teesträuchern.) (Bodenkunde) 1951, 322—328.
- Pfaeltzer, J. W., Studies in blister blight control. VI. An evaluation of some commercially available fungicides for the control of blister blight. [Exobasidium vexans] Tea Quart. (J. Tea Res. Inst.), Ceylon, 22. 1951, 52—55.
- Portsmouth, G. B., The weed problem on tea estates. Tea Quart. (J. Tea Res. Inst.), Ceylon, 22. 1951, 101—104.
- Sausman, V. A. N., Some soil conservation aspects of tea planting. Planters' Chron. 46. 1951, 70—77.
- Schweizer, J., en Reitsma, J., Blister blight situatie in de bevolkingstuinen in het Sukabumische. (Blister blight situation in the gardens of the native population in the Sukabumi district.) [Exobasidium vexans] Bergcultures 20. 1951, 231, 233, 235.
- Scoles, C. L., and Haworth, F., Control of blister blight in tea. Planters' Chron. 46. 1951, 148—153.
- Tatishvili, G. S., (New weed (of Erechthites genus) of tea plantations in Adzharia.) Bull. Glav. Bot. Sad., Moscow, 8. 1951, 83—85.
- Thompson, A., and Johnston, A., Blister blight of tea in Malaya. I. Interim report on investigations 1950—1951. [Exobasidium vexans] Malayan agric. J. 34. 1951, 105—118, 2 fig., 5 tab.
- Van Emden, J. H., (Notes on some important pests and diseases of tea.) Bergcultures 20. 1951, 152—155, 157, 159, 161, 163, 165, 167.
- Van Emden, J. H., and Van Hell, W. F., (Blister blight.) [on tea] Bergcultures 20. 1951, 7, 9.
- Van Hell, W. F., and Venstra, H., (The killing of shade trees by means of sodium arsenite.) [control of blister blight on tea] Bergcultures 20. 1951, 27, 29.
- Venkataramani, K. S., a. o., A preliminary report on the trial of certain fungicides for the control of blister blight. [Exobasidium vexans] Planters' Chron. 46. 1951, 270—272.
- Vollema, J. S., De landbouwkundige zijde der blister blight bestrijding. (The agricultural aspect of blister blight control.) [Exobasidium vexans] Bergcultures 20. 1951, 235—236.
- Walter, T. E., Summary of discussions on the proceedings of the first day. [Exobasidium vexans] Tea Quart. (J. Tea Res. Inst.), Ceylon, 22. 1951, 4—17.
- Williams, A. R., Control of blister blight. Planters' Chron. 46. 1951, 176—179.

- Crop protection courses 1951.** [Exobasidium vexans] Tea Quart. (J. Tea Res. Inst.), Ceylon, 22. 1951, 55—92, 11 fig., 3 tab.
- Proceedings of the ninth biennial conference.** [Ceylon] Tea Quart. (J. Tea Res. Inst.), Ceylon, 21. 1951, nr. 4, p. 1—47, 2 fig., 1 tab.
- Report of the acting pathologist for the year 1949.** Tea Res. Inst., Ceylon, Bull. nr. 31. 1951, 38—45.
- m. Zuckerrohr**
Sugar-cane — Canne à sucre
Allgemeiner Teil
General part — Partie générale
- Abbott, E. V.,** Sugar-cane disease work at the Houma Station during 1950. Sugar Bull., [New Orleans], 29. 1951, 392—398.
- Abbott, E. V., and Summers, E. M.,** An appraisal of some sugar-cane parent varieties and their progenies with particular reference to disease resistance. [breeding work in Florida and Louisiana] Int. Soc. Sugar-Cane Technol. Proc. 7. 1951, 97—109.
- Calvo Sendino, B.,** En pro del cultivo de remolacha azucarera; los tratamientos preventivos en la lucha contra las plagas del campo. Ceres, Valladolid, 16. 1951, nr. 181, p. 18—19. — Saragossa Cám. Ofic. Sind. Agric. Bull. Mens. 36. 1951, 7—8.
- Dutt, N. L., and Hussainy, S. A.,** A note on the breeding and testing of sugar-cane varieties resistant to three major diseases with particular reference to red rot. [Colletotrichum falcatum, smut, mosaic] Conf. Sugar-Cane Res. Workers Indian Un. Proc. 1 (2, Sect. 3). 1951, 46—55.
- Flores Cáceres, S.,** Enfermedades de la caña de azucar en los ingenios de la Republica Mexicana. Fitófilo 5. 1951, nr. 3, p. 14—40.
- Flores Cáceres, S.,** Plagas y enfermedades de la caña de azucar en algunos ingenios de la Republica Mexicana. Mexico Of. Estud. Espec. Fol. Misc. 4. 1951, 302—324.
- Hes, J. W.,** Diseases and pests in Java during 1950. Int. Sugar J. 53. 1951, 187—188.
- Hsia, Y. J., Chian, L. T., and Wang, C. S.,** The variety N: Co. 310 in Formosa. [virus and fungi] Taiwan Sugar J. Quart. 3. 1951, 69—70.
- Hughes, C. G.,** The control of cane diseases in Queensland. Int. Soc. Sugar-Cane Technol. Proc. 7. 1951, 465—473.
- Hutchinson, P. B., and Dale, W. T.,** A serious sugar-cane disease in British Guiana. Nature, London, 167. 1951, 998.
- Ling, K. C., and Ma, P. T.,** (Studies on new improved granosan. II. Bioassay of new improved granosan.) J. Sugar-Cane Res. (chin.) 5. 1951, 273—300.
- Lo, T. T.,** A report on sugar-cane diseases in Taiwan. Int. Soc. Sugar-Cane Technol. Proc. 7. 1951, 452—456.
- Loh, C. S.,** Sugar-cane breeding in Taiwan. Sugar 46. 1951, nr. 7, p. 41—43.
- Martin, J. P.,** Studies on leaf freckle. Hawaiian Sugar Technol. Rept. 10. 1951, 81—83.
- Martin, J. P.,** Sugar-cane diseases and their world distribution. Int. Soc. Sugar-Cane Technol. Proc. 7. 1951, 435—452.
- Orian, G.,** Lightning and the sugar-cane. Rev. Agric. Ile Maurice 30. 1951, 31—32.
- Scaramuzza, L. C.,** Las enfermedades graves de la caña de azucar. Asoc. Téc. Azucareros Cuba Bol. Ofic. 10. 1951, 97—101.
- Sharma, S. L.,** A new disease of sugar-cane. [leafy tuft] Conf. Sugar-Cane Res. Workers Indian Un. Proc. 1 (1, Sect. 2). 1951, 57.
- Vaheeduddin, S.,** Behaviour of Coimbatore canes with respect to diseases in Hyderabad State. Conf. Sugar-Cane Res. Workers Indian Un. Proc. 1 (2, Sect. 3). 1951, 63—66.
- Vaughan, E. K., and Rosenstiel, R. G.,** Diseases and insect pests of cane fruits in Oregon. Oregon agric. Exp. Stat. Bull. nr. 418. 1949, 58 p., 27 fig.
- Wiehe, P. O.,** Leaf scald and chlorotic streak, two sugar-cane diseases occurring in British Guiana. Brit. Guiana Sugar Prod.'s Assoc. 27. 8. 1951. 1951, 33 p., 3 fig., 1 tab. col., 3 tab. geogr.
- Proceedings of the seventh congress of the International Society of Sugar-Cane Technologists, Brisbane, 25th August—15th September, 1950.** 1951. XXXI + 795 p., 227 fig., 17 tab., 3 tab. geogr.
- Queensland:** Fifty-first annual report of the Bureau of Sugar Experiment Stations. 1951, 55 p., 4 fig., 3 tab.
- Nichtparasitäre Krankheiten**
Diseases not caused by parasites
Maladies non parasitaires
- Arceneaux, G., Coleman, R. E., and Hebert, L. P.,** Evidence of inheritance of resistance to freeze injury in sugar-cane seedlings produced at Canal Point, Florida. Int. Soc. Sugar-Cane Technol. Proc. 7. 1951, 116—127.
- Bourne, B. A.,** Physiological effects of soil phosphorus deficiency and excess on sugar-cane on low-mineral peat soil. Int. Soc. Sugar-Cane Technol. Proc. 7. 1951, 233—242.
- Steindl, D. R. L.,** Ratoon stunting disease. [no pathogenic organism located] Int. Soc. Sugar-Cane Technol. Proc. 7. 1951, 457—465.

Pflanzliche Feinde Vegetal parasites — Parasites végétaux

- Abbott, E. V.**, The brown spot leaf disease of sugar-cane in Louisiana. Sugar Bull., [New Orleans], 29. 1951, 134, 139—142, 1 fig.
- Abbott, E. V.**, Report on a visit to British Guiana to study leaf scald of sugar-cane (*Xanthomonas albilineans*). 1951, 8 p.
- Arruda, S. C.**, (Leaf scald disease as a factor in the deterioration of sugar-cane varieties.) Mexico Ofic. Estud. Espec. Fol. Misc. 4. 1951, 273—282.
- Arruda, S. C.**, y **Toffano, W. B.**, O carvão da cana no Estado de São Paulo. (Cane smut in the State of São Paulo.) [Ustilago scitaminea] Biologico, São Paulo, 17. 1951, 155—165, 1 tab. col.
- Celino, M. S.**, The occurrence of pokkah-boeng disease of sugar-cane in San Carlos, Negros Occidental. J. Soil Sci. Soc. (Philippines) 3. 1951, 108—111.
- Chona, B. L.**, and **Munjal, R. L.**, A new smut of sugar-cane. [Sphaelotheca cruenta] Curr. Sci. 20. 1951, 301—302, 9 fig.
- Dutt, N. L.**, The present cane varietal position in India. Congr. int. Soc. Sugar-Cane Technol. Proc. 1950. 1951, 294—303, 2 fig.
- Edgerton, C. W.**, Results of recent investigations in Louisiana on red rot. Int. Soc. Sugar-Cane Technol. Proc. 7. 1951, 518—523.
- Flores Cáceres, S.**, Muermo rojo de la cana de azucar. [Colletotrichum falcatum] Agronomía, Monterrey, 19. 1951, 3, 8.
- Hes, J. W.**, The yellow spot disease. [Cercospora kopkei on sugar-cane] Sugar News 27. 1951, 288, 387.
- Hughes, C. G.**, Testing sugar-cane varieties for resistance to downy mildew disease. Queensland Bur. Sugar Exp. Stat. Cane Growers' Quart. Bull. 14. 1951, 163—166, 2 fig.
- Hughes, C. G.**, and **Skinner, S. O.**, Leaf-scald disease in North Queensland. Queensland Bur. Sugar Exp. Stat. Cane Growers' Quart. Bull. 14. 1951, 150—151.
- Kar, K.**, and **Singh, D. R.**, Varietal resistance to red rot [Colletotrichum falcatum]. Conf. Sugar-Cane Res. Workers Indian Un. Proc. 1. 1951, 66—71.
- Leake, H. M.**, Leaf scald in British Guiana. [Xanthomonas albilineans on sugar-cane] Int. Sugar J. 53. 1951, 332—334.
- Ling, K. C.**, and **Ma, P. T.**, A preliminary study on the perfect stage of the causal organism of red rot. (Physalospora tucumanensis) of sugar-cane. Int. Soc. Sugar-Cane Technol. Proc. 7. 1951, 503—513.
- McGahan, J. W.**, Soil amendments in relation to the Actinomycete population and the antibiotic index of sugar-cane soil. Phytopathology 41. 1951, 25.
- Mills, P. J.**, and **Chilton, S. J. P.**, The effect of certain fungicides as seed treatments for sugar-cane in Louisiana. Congr. int. Soc. Sugar-Cane Technol. Proc. 1950. 1951, 197—202.
- Rafay, S. A.**, Wilt disease of cane. Conf. Sugar-Cane Res. Workers Indian Un. Proc. 1 (1, Sect. 2). 1951, 56—57.
- Steib, R. J.**, and **Chilton, S. J. P.**, The Phytophthora rot of sugar-cane seed pieces in Louisiana. Int. Soc. Sugar-Cane Technol. Proc. 7. 1951, 524—528.
- Steib, R. J.**, and **Chilton, S. J. P.**, Studies on the infection of sugar-cane stalks by red-rot fungus, Physalospora tucumanensis in Louisiana. Int. Soc. Sugar-Cane Technol. Proc. 7. 1951, 499—502.
- Subramanian, T. V.**, and **Prakasam, P.**, Some studies on pine disease of sugar-cane (Ceratostomella paradoxa). Conf. Sugar-Cane Res. Workers Indian Un. Proc. 1 (2, Sect. 3). 1951, 60—63.
- Subramanian, T. V.**, and **Rao, V. L.**, Infection and development of Ustilago scitaminea Syd. in sugar-cane. Conf. Sugar-Cane Res. Workers Indian Un. Proc. 1 (2, Sect. 3). 1951, 55—60.
- Van Dillewijn, C.**, Fusarium pakka-boeng. Congr. int. Soc. Sugar-Cane Technol. Proc. 1950. 1951, 473—499, 18 fig.
- Vasudeva, R. S.**, and **Chona, B. L.**, Fighting red rot epidemic. [on sugar-cane] Indian Farming 1 (n. ser.). 1951, nr. 6, p. 23—26.
- Wahid, M. A.**, **Steib, R. J.**, and **Chilton, S. J. P.**, Effect of fungicides on the development of red rot of sugar-cane. Phytopathology 41. 1951, 37.
- Wang, S. C.**, Studies on Physalospora tucumanensis Speg. Int. Soc. Sugar-Cane Technol. Proc. 7. 1951, 513—518.
- Wismer, C. A.**, Controlling pineapple disease (Ceratostomella paradoxa) of sugar-cane. Hawaiian Planters' Rec. 54. 1951, 23—53.
- Hawaii:** Diseases. Hawaiian Sugar Exp. Stat. Rept. 1951, 21—26, 7 fig.

Unkräuter

Weeds — Mauvaises herbes

- Borri, M.**, (Herbizide für Zuckerrohrfelder. Herstellung und Anwendung.) Int. Sugar J. 53. 1951, 67—68.
- Cerighelli, R.**, Action du 2,4-D sur les rendements en sucre de la canne. Rev. int. Bot. appl., Agric. trop. 31. 1951, 227—231.
- Chilton, S. J. P.**, **Stamper, E. R.**, and **Ryker, T. C.**, The use of herbicides in sugar-cane fields for controlling weeds. Int. Soc. Sugar-Cane Technol. Proc. 7. 1951, 190—197.
- Hance, F. E.**, New developments in weed control. Hawaiian Sugar Technol. Rept. 10. 1951, 44—46.

- Hurst, F.**, Clean as a floor—sheep hoe sugar-cane. [Johnson grass] Progr. Farmer (Mississippi-Arkansas-Louisiana Ed.) 66. 1951, 15, 96.
- Loulatot, A. J.**, The control of grasses in newly planted sugar-cane with TCA. Sugar J. 13, 1951, nr. 9, p. 23. — Actualidades 1951, 54—55.
- Loulatot, A. J.**, Destrucción con TCA de zacates en campos recién plantados de caña de azúcar. [Sodium dichloroacetate] Turrialba 1: 1951, 204—205.
- Nolla, J. A. B.**, Injury to sugar-cane from 2,4-D. Int. Soc. Sugar-cane Technol. Proc. 7. 1951, 178—190.
- Stamper, E. R.**, and **Chilton, S. J. P.**, Johnson grass and chemical in sugar-cane in Louisiana. Down to Earth 6. 1951, nr. 4, p. 9—10.
- Stamper, E. R.**, and **Chilton, S. J. P.**, Johnson grass control in sugar-cane. Weeds 1. 1951, 32—42.
- Vallance, L. G.**, Pre-emergence and post-emergence control of weeds by chemical sprays. Queensland Bur. Sugar Exp. Stat. Cane Growers' Quart. Bull. 15. 1951, 9—12.
- Tierische Feinde**
Animal parasites — Parasites animaux
- Agarwala, S. B. D.**, and **Prasad, S. N.**, Need for laboratory trials to precede field trials and control operations against pests. Conf. Sugar-Cane Res. Workers Indian Un. Proc. 1 (Sect. 2). 1951, 53—54 (Abstr.).
- Andrade, A. C.**, and **Puzzi, D.**, (Preliminary results of experiments on controlling the chestnut-colored bug (*Scaptocoris castaneus*) in sugar-cane.) Biológico, São Paulo, 17. 1951, 44—48.
- Baber, E. G.**, and **Robinson, P. E.**, Feeding habits of *Perkinsiella saccharicida*. Int. Soc. Sugar-Cane Technol. Proc. 7. 1951, 155—167.
- Barton, F. M.**, Benzene hexachloride for the control of *Lepidiotia frenchi* grubs in cane. Int. Soc. Sugar-Cane Technol. Proc. 7. 1951, 411—414.
- Box, H. E.**, Informe preliminar sobre los barrenadores o »borers« de la caña de azúcar (*Diatraea*, Chilo) en México, a base de un viaje de reconocimiento efectuado durante marzo-abril, 1951, a las regiones cañeras: I — Sinaloa, II — Nayarit, y XIV — Huasteca; con observaciones complementarias. (Preliminary report on the sugar-cane borers (*Diatraea*, Chilo) in Mexico, based on a survey carried out in March-April 1951 in the cane regions of Sinaloa, Nayarit and Huasteca, with supplementary observations.) Un. nac. Prod. Azúc. (Mexico) 1951. 93(+1) p., 1 fig., 7 tab. geogr.
- Box, H. E.**, New species and records of *Diatraea* Guild. from Northern Venezuela (Lepid., Pyral.). Bull. ent. Res. 42. 1951, 379—398, 4 fig., 1 tab., 1 tab. geogr.
- Box, H. E.**, Observations on the sugar-cane moth borer, *Diatraea saccharalis* (Fabr.) in Peru. Proc. 7th Congr. int. Soc. Sugar-Cane Technol. 1950. 1951, 328—343, 6 fig., 1 tab. geogr.
- Box, H. E.**, *Palpozenillia Palpalis* (Aldr.), a tachinid parasite of sugar-cane moth borers (*Castnia* and *Diatraea*). Hawaiian ent. Soc. Proc. 14. 1951, 485—490.
- Box, H. E.**, Sugar-cane moth borer (*Diatraea saccharalis*) control. Sugar 46. 1951, 29—31.
- Box, H. E.**, y **Pontis Videla, R. E.**, Apuntes sobre el hongo entomogeno, *Beauveria bassiana* (Mont.) Vuill., parasito de *Diatraea* en Venezuela. (Notes on the entomogenous fungus *Beauveria bassiana* (Mont.) Vuill., parasitic on *Diatraea* in Venezuela.) Agron. trop., Maracay, 1. 1951, 233—236, 1 fig.
- Bynum, E. K.**, **Haley, W. E.**, and **Ingram, J. W.**, Winter survival of the sugar-cane borer (*Diatraea saccharalis*) in Louisiana and prospects for the 1951 infestation. Sugar Bull. 29. 1951, 203—205.
- Bynum, E. K.**, **Ingram, J. W.**, **Charpentier, L. J.**, and **Haley, W. E.**, Control of soil insects in Louisiana sugar-cane fields. Int. Soc. Sugar-Cane Technol. Proc. 7. 1951, 423—434.
- Chen, M. T.**, (An observation on the relationship between some leaf characters of sugar-cane and the degree of infection of sugar-cane woolly aphis (*Ceratovacuna lanigera*)). Taiwan Sugar Exp. Stat. Rept. 7. 1951, 75—81.
- Dick, J.**, Insect pests in Natal cane. 2. The Isoptera and Homoptera families. 3. Coleoptera, Lepidoptera and mites. South afr. Sugar J. 35. 1951, 99, 101, 169, 171, 173, 175, 177.
- Dick, J.**, Sugar-cane entomology in Natal South Africa. Int. Soc. Sugar-Cane Technol. Proc. 7. 1951, 377—394.
- Doty, R. E.**, Warfarin (compound 42), a promising new rodenticide for cane fields. Hawaiian Planters' Rec. 54. 1951, 1—21.
- Guagliumi, P.**, Estudio preliminar sobre el escarabajo rinoceronte o »coco« *Podischnus agenor* (Oliv.) plaga de la caña de azúcar en Venezuela. Venezuela Div. Ent., Zool. (Secc. Caña Azúcar) Bol. Téc. 3. 1951, 48 p.
- Gupta, B. D.**, and **Nagar, D. S.**, A note on the effect of white-fly (*Aleurolobus barodensis*, Mask.) infestation on the quality and yield of plant and ratoon crops of sugar-cane. Agric. Anim. Husb. 1. 1951, nr. 11, p. 27—32.
- Ingram, J. W.**, **Bynum, E. K.**, **Charpentier, L. J.**, and **Haley, W. E.**, Introduction of the sugar-cane borer egg parasite, *Telenomus alecto*, in 1950 and the present status of biological control of the borer (*Diatraea saccharalis*) in Louisiana. Sugar Bull. 30. 1951, 71—73.

- Ingram, J. W., Bynum, E. K., Haley, W. E., and Charpentier, L. J., Insecticidal control of the sugar-cane borer (*Diatraea saccharalis*) in Louisiana. Int. Soc. Sugar-Cane Technol. Proc. 7. 1951, 360—373.
- Ingram, J. W., Bynum, E. K., and Mathes, R., Insect pests of sugar-cane in continental United States. Int. Soc. Sugar-Cane Technol. Proc. 7. 1951, 395—400.
- Ingram, J. W., Bynum, E. K., Mathes, R., Haley, W. E., and Carpentier, L. J., Pests of sugar-cane and their control. U.S. Dept. Agric. Circ. 878. 1951, 38 p.
- Ingram, J. W., Mathes, R., Wilson, J. W., and Hayslip, N. C., Biological control of the sugar-cane borer (*Diatraea saccharalis*) in continental United States. Int. Soc. Sugar-Cane Technol. Proc. 7. 1951, 354—360.
- Jepson, W. F., Stem borers of cereals and sugar-cane. Plant Prot. Overseas Rev. 2. 1951, nr. 2, p. 15—21.
- Ju, L. S., (A new sugar-cane leaf-miner, *Coleophora* sp., and its parasites in Taiwan.) J. Sugar-Cane Res. 5. 1951, 167—180.
- Khan, M. Q., A note on earthing-up as a measure of control of *Argyria sticticrasis* Hampson: the sugar-cane stem-borer. Proc. Conf. Sugar-Cane Res. Workers Indian Un. 1 (2, Sect. 3). 1951, 1—3.
- Luke jr., W. J., and Ploeg, H. L., *Heterotermes cardini*, a new insect pest of sugar-cane, and preliminary control studies. Proc. brit. West Indies Sugar Assoc. Meetg. Sugar Technol. 1950. 1951, 99—102.
- Mathes, R., Hayslip, N. C., Bynum, E. K., Grassl, C. O., and Bregger, Th., The use of resistant varieties of sugar-cane in the control of the sugar-cane borer (*Diatraea saccharalis*). Int. Soc. Sugar-Cane Technol. Proc. 7. 1951, 168—177.
- Mungomery, R. W., The status of benzene hexachloride in the control of some Queensland sugar-cane pests. Int. Soc. Sugar-Cane Technol. Proc. 7. 1951, 404—410.
- Narayanan, E. S., A method to assess the damage caused to the sugar-cane crop by insect pests. Proc. Conf. Sugar-Cane Res. Workers Indian Un. 1 (2, Sect. 3). 1951, 41—45.
- Pemberton, C. E., The present status of the insect pests of sugar-cane in Hawaii and the prospect of new invasions. Int. Soc. Sugar-Cane Technol. Proc. 7. 1951, 401—404.
- Potter, T. E. K., The sugar-cane froghopper (*Tomasia saccharina*). Plant Prot. Overseas Rev. 2. 1951, 4—9.
- Rao, G. N., Control of termites in sugar-cane. Curr. Sci., Bangalore, 20. 1951, 330—331.
- Rao, G. N., Occurrence of certain minor pests on sugar-cane at Coimbatore. Proc. Conf. Sugar-Cane Res. Workers Indian Un. 1 (2, Sect. 3). 1951, 7—11.
- Rao, J. T., Anatomical characters of stem in relation to rind-hardness and borer attack in sugar-canes. [*Diatraea*, *Argyria*] Proc. Conf. Sugar-Cane Res. Workers Indian Un. 1 (2, Sect. 2). 1951, 41—47.
- Scaramuzza, L. C., El control biológico y sus resultados en la lucha contra el barrenador of perforador de la caña, *Diatraea saccharalis* (Fabr.), en Cuba, por medio de la mosca *Lixophaga diatraeae* (Townsend). Mexico Ofic. Estud. Espec. Fol. Misc. 4. 1951, 282—292.
- Scaramuzza, L. C., Relación de los insectos y otros animales que atacan a la caña de azúcar en Cuba. Mexico Ofic. Estud. Esp. Fol. Misc. 4. 1951, 292—302.
- Simmonds, F. J., The small moth-borers of sugar-cane, *Diatraea* spp., in Trinidad. Trop. Agric., St. Augustine, 28. 1951, 80—108.
- Tucker, W. E., A twenty-year record of the biological control of one sugar-cane pest (*Diatraea saccharalis*). Int. Soc. Sugar-Cane Technol. Proc. 7. 1951, 343—354.
- Van Zwaluwenburg, R. H., The insects affecting sugar-cane in Mexico. Int. Soc. Sugar-Cane Technol. Proc. 7. 1951, 373—377.
- Wade, J. S., A selected bibliography of the insects of the world associated with sugar-cane, their predators and parasites. Int. Soc. Sugar-Cane Technol. Mem. nr. 1. 1951, 113 p.
- Wille, J. E., Sobre la introducción de un nuevo enemigo del barrenado de la caña. [*Lixophaga diatraeae* on *Diatraea saccharalis*] Vida Agric., Lima, 28. 1951, 775—776.
- Wilson, G., The effect of mixing fertilizer with benzene hexachloride for cane grub control. Queensl. Bur. Sugar Exp. Stat. Cane Growers' Quart. Bull. 15. 1951, 18—21.
- Wilson, G., Frenchi cane grub (*Lepidiotia frenchi*): control of the third stage of plant cane by means of B. H. C. Queensl. Bur. Sugar Exp. Stat. Cane Growers' Quart. Bull. 15. 1951, 25—28.

Virus

- Abbot, E. V., and Stokes, I. E., Mosaic disease cuts yields in sugar-cane tests. Mississippi Farm Res. 14. 1951, nr. 6, p. 1—2.
- Chona, B. L., Strains of sugar-cane mosaic virus. Proc. Conf. Sugar-Cane Res. Workers Indian Un. 1 (1, Sect. 1). 1951, 39.
- Costa, A. S., and Penteado, M. P., Corn seedlings as test plants for the sugar-cane mosaic virus. Phytopathology 41. 1951, 758—763, 1 fig.
- Flores, M. A., El mosaico de la caña de azúcar. Consorcio Cent. Agr. (Manabí) Bull. 12. 1951, nr. 67, p. 41—43.
- King, N. C., Methods and results of sugar-cane mosaic resistance and tolerance tests. South afr. Sugar Technol. Assoc. Proc. 25. 1951, 99—101.
- Mungomery, R. W., Mosaic disease in South Queensland. Queensl. Bur. Sugar Exp. Stat. Cane Growers' Quart. Bull. 14. 1951, 167—168.

n. Varia

- Agarkov, V. A., (Morphology of the manifestation and early diagnosis of smut in millet.) [Sphaeclothea panici-miliacei] Seleksiia i Semenovodstvo (Selection and Seed Growing) 18. 1951, nr. 18, p. 21—28.
- Agati, J. A., and Castillo, B. S., How to control abacá mosaic. Philipp. Bur. Plant Ind., Plant Ind. Digest 14. 1951, 4—6.
- Ark, P. A., and DeWolfe, Th. A., Phytophthora rot of Peperomia. Plant Dis. Repr. 35. 1951, 46—47, 1 fig.
- Behura, B. K., and Sengupta, G. C., On a pest (Otinotus elongatus) of jute new to Orissa. Sci. and Cult. 16. 1951, 572—573.
- Bytinski-Salz, H., and Neumark, S., The eucalyptus borer (Phoracantha semipunctata F.) in Israel. Trans. IX. int. Congr. Ent. 1. 1951, 696—699.
- Carrera, C. M., y Zabala, S., Enfermedades del pimiento. Prod., Fomento Agr. (Argentina) 3. 1951, nr. 28, p. 18—19.
- Castillo, B. S., and Agati, J. A., Using weedicides in eradicating mosaic-infected abacá plants. Philipp. J. Agric. 15 (1950). 1951, 175—187.
- Chaves Batista, A., »Cylindrocladium scoparium« Morgan »var. brasiliensis« Batistae Ciferri, um novo fungo do Eucalypto. (Cylindrocladium scoparium Morgan var. brasiliensis Batista and Ciferri, a new fungus on Eucalyptus.) Bol. Secr. Agric., Ind., Com. Est. Pernambuco 18. 1951, 188—191, 3 fig.
- Ciferri, R., Red rot of sisal in Venezuela. Phytopathology 41. 1951, 766—767.
- Crandall, B. S., and Patiño, M. B., El mal de almácigos. Café El Salvador 21. 1951, 187—189.
- Darley, E. F., y Flores, M. A., Dos cancers de cinchona en Guatemala causados por Phytophthora cinnamomi y P. parasitica. (Two cankers of cinchona in Guatemala caused by Phytophthora cinnamomi and P. parasitica.) Mexico Ofic. Estud. Espec. Fol. Misc. 4. 1951, 328—335. — Phytopathology 41. 1951, 641—647, 2 fig.
- David, P. A., The black pepper culture in the College of Agriculture at Los Baños. [Piper nigrum var. trioicum] Philipp. Agriculturist 35. 1951, 130—136, 2 fig.
- Elmore, J. C., and Campbell, R. E., The pepper weevil (Anthonomus eugenii). U.S. Dept. Agric. Leaf. 226. 1951, 7 p.
- Invaschenko, A. I., (Cold resistant forms of Eucalyptus.) Agrobiologiya (russ.) 3. 1951, 47—51.
- Juliano, J. P., A study of the mosaic disease of abacá, or Manila Hemp plant (Musa textilis Née), with special reference to sources of inoculum and possible transmission of the virus by mechanical means. Philipp. Agriculturist 34. 1951, 125—132.
- Khan, H., Preliminary observations on Sesamum leaf-roller Antigastra catalaunalis Dup. Pakistan J. Sci. 3. 1951, 10—12.
- Kulkarni, Y. S., Patel, M. K., and Dhande, G. W., Xanthomonas cassiae, a new bacterial disease of Cassia tora L. Curr. Sci., Bangalore, 20. 1951, 47.
- Ling, L., On the occurrence of Colletotrichum derridis in-Taiwan. [on Derris] Plant Dis. Repr. 35. 1951, 13—15, 4 fig.
- Malençon, G., et Marion, J., Un parasite des subéaies nord-africaines: l'Hypoxylon mediterraneum (D. Ntrs.) Ces. et D. Ntrs. Rev. Forest. franç., Nancy, 1951, nr. 11, p. 681—686, 3 tab.
- Marudarajan, D., 'Koleroga' or 'Mahali' disease of arecanuts. [Phytophthora arecae] Plant Prot. Bull., New Delhi, 3. 1951, 117—118.
- Mascazzini, F., Las malezas del Sudan grass; consideraciones generales. [Sorghum exiguum] Charla Rur. 148. 1951, 22—23.
- Miller, P. R., and O'Brien, M. J., An apparently new sweet gum disease in Maryland. [Liquidambar styraciflua] Plant Dis. Repr. 35. 1951, 295—297, 1 fig.
- Natrass, R. M., A Botrytis disease of Urena lobata in Kenya. East afr. agric. J. 16. 1951, 181—184.
- Nema, K. G., and Mahmud, K. A., Powdery mildew (Oidium sp.) on Crotalaria retusa Linn. Sci. and Cult. 17. 1951, 36.
- Patel, P. L., Patel, G. C., and Patel, R. M., Breeding bhendi (okra) for resistance to mosaic. Bansilal Amritlal agric. Coll. Mag. 4. 1951, nr. 2, p. 8—9.
- Pinheiro, J. V., e Krug, H. P., Contrôle de ervas daninhas em sementeiras de eucalypto. (Control of weeds in Eucalyptus seedplots.) Paulista Estradas Ferro Co., Serv. Florestal, Bol. 2. 1951, 18 p.
- Puttarudriah, M., and Channabasavanna, G. P., Dichocrocis punctiferalis Guenee (castor pod borer) on Andropogon sorghum Brot in Mysore. Curr. Sci., Bangalore, 20. 1951, 100.
- Rahman, S. M. A., Observation on the diseases of Tezpata. [Pestalotia cinnamomi and Cercospora sp. on Cinnamomum tamala] Curr. Sci., Bangalore, 20. 1951, 135.
- Reinking, O. A., Third progress report on the abacá mosaic disease control campaign. 1951, 39 p., 2 tab. geogr.
- Sarojini, T. S., Soil conditions and root diseases. Part II. Fusarium udum disease of red gram, Cajanus cajan (Linn.) Millsp. Proc. indian Acad. Sci. (Sect. B) 33. 1951, 49—68.
- Scaramuzza, L. C., Insectos observados en Eucalyptus spp. Bol. hist. Nat. 2. 1951, 86—89.
- Sears, R. D., and Wingard, S. A., Fusarium wilt of sesame at Charlotte Court House, Virginia, in 1950. Plant Dis. Repr. 35. 1951, 173.

Sellers, W. F., The limitations of biological control of the sisal weevil (*Scyphophorus acupunctatus*). East afr. agric. J. 16. 1951, 175—177.

Singh, R. S., Root rot of guar. [*Cyamospis psoraloides* (*C. tetragonoloba*)] Sci. and Cult., Calcutta, 17. 1951, 131—134, 4 fig.

Szkolnik, M., *Phytophthora parasitica* diseases of cinchona in Central American field plantings. Plant Dis. Reprtr. 35. 1951, 16—24, 2 fig.

Thirumalachar, M. J., and **Whitehead, M. D.**, An undescribed species of *Physoderma* on *Aeschynomene indica*. Mycologia, Lancaster, 43. 1951, 430—436, 17 fig.

Thornberry, H. H., and **Anderson, H. W.**, Variegated *Sida rhombifolia* in Central America. [Marmor abutilon Holmes] Plant Dis. Reprtr. 35. 1951, 411.

Williams, J. R., **Moutia, L. A.**, and **Hermelin, P. R.**, The biological control of *Gonipterus scutellatus* Gyll. (Col. Curculionidae) in Mauritius. [Anaphoidea nitens on Eucalyptus snout beetle] Bull. ent. Res. 42. 1951, 23—28.

Winters, H. F., Fumigation of cinchona nursery soils. Turrialba 1. 1951, 296—298.

Zischka-Winter, R., Über einen Koka-Schädling in Südamerika. [Eloria] Anz. Schäd.kunde 24. 1951, 10—12, 3 Abb.

11. Vorratsschutz Storage protection — Protection des stocks

a. Allgemeiner Teil

General part — Partie générale

Allison, J. L., and **Wells, J. C.**, Forage crop diseases. North Carolina agric. Coll. Ext. Circ. 361. 1951, 11 p.

Ander, K., *Paralipsa gularis* Zell. (Lep. Pyr.), en för Sverige ny förrådsskadeinsekt. (*Aphomia gularis*, a stored-product pest new to Sweden.) Publ. K. Byggnadsstyr. (Opusc. Ent.), Stockholm, 16. 1951, nr. 1—2, p. 64.

Baier, W. E., and **Wilson, C. W.**, Proposed basis for tolerances on insecticide residues in food products. Food Technol. 5. 1951, 38—40.

Barnhart, C. S., A new silverfish (*Ctenolepisma campbelli*) of economic importance found in the United States (*Thysanura: Lepismatidae*). Ohio J. Sci. 51. 1951, 184—186.

Bode, H., Die Aufgaben der Landfrau im Pflanzen- und Vorratsschutz. Landw. Wochenbl. Kurh. u. Waldeck 166. 1951, 135—136.

Bollaerts, D., et **Breny, R.**, Les acariens nuisibles aux matières entreposées. Rev. Agric. Bruxelles Juni 1951, 738—764, 17 fig.

Bollaerts, D., et **Breny, R.**, Considerations sur la lutte contre les acariens des matières emmagasinées. Rev. Agric. 4. 1951, 1051—1071.

Bollaerts, D., et **Breny, R.**, Quelques espèces d'acariens prédateurs et banaux rencontrés dans les matières emmagasinées. Rev. Agric. 4. 1951, 883—898.

Brauer, K. H., Einige Hinweise zur Begasung in Zellen. Mühle, Detmold, 88. 1951, 642—643, 5 Abb.

Busvine, J., Insects and hygiene. The biology and control of insect pests of medical and domestic importance in Britain. Methuen & Co., Ltd., London 1951. XIV + 482 p., 58 fig.

Candura, G. S., Stato attuale della diffusione in Italia dei parassiti animali dei prodotti conservati. Sistemi e mezzi adottati e da adottarsi per la lotta. 1. Conf. int. Lutte contre Parasites Plantes 3.—6. 10. 1950 Rom. 1951, 342—355.

Dawson, J. C., and **Millard, R.**, Safeguard your raw materials and you safeguard profits. [food storage pest control] Food Engin. 23. 1951, nr. 9, p. 67—68, 161.

De Freitas, H., (Forage preservation.) Selec. Agric. 6. 1951, nr. 57, p. 57—59.

Easter, S., Worldwide losses due to insects in stored foods. J. New York ent. Soc. 59. 1951, 119 (Abstr.).

Elbe, Mietentemperaturen messen. Bauernbl. Schlesw.-Holst. 5./101. 1951, 1118—1119.

Evans, J. W., Parasites des denrées stockées. Phytoma, Paris, 4. 1951, nr. 27—28, p. 32—33.

Frömming, E., Ein bisher wenig beachteter Vorratsschädling, die Nacktschnecke *Limax flavus* L. Ztschr. Pf.krankh. 58. 1951, 322—326.

Frömming, E., Quantitative und allgemein-physiologische Untersuchungen über die Nahrungsaufnahme der Kellerschnecke *Limax flavus* L. Anz. Schäd.kunde 24. 1951, 13—14.

Govin, L., Storage of agricultural products. U. Nat. Sci. Conf. Conserv., Util. Resources Proc. 6. 1951, 354—356.

Greathouse, G. A., **Wessel, C. J.**, and **Shirk, H. G.**, Microbiological deterioration of manufactured materials. Ann. Rev. Microbiol. 5. 1951, 333—358.

Heerdt, W., Chemische Schädlingsbekämpfungsmittel und -verfahren in der amerikanischen Nahrungsmittelindustrie. [Insektizide] Müllerei 4. 1951, 37—38.

- Heidenreich, E.**, Die Anwendung von Gamma-Hexachlorcyclohexan. Mühle, Detmold, 88. 1951, 641—642, 1 Abb.
- Heidenreich, E.**, Vorratsschädlinge und Gamma-Hexachlorcyclohexan. Merck-Blätter, Darmstadt, F. 3. 1951, 4 S.
- Hewlett, P. S.**, Piperonyl butoxide as a constituent of heavy-oil sprays for the control of stored product insects. I. Piperonyl butoxide as a synergist for pyrethrum and its effect on the persistence of pyrethrum films. Bull. ent. Res. 42. 1951, 293—310, 5 fig.
- Horigan, F. D.**, Control of insects affecting man and his habitations; a literature survey. U.S. QM Res., Developm. Lab. Techn., Libr. Bibliogr. Ser. 20. 1951, 58 p.
- Howard, L. B.**, Preservation of perishable foods. U. Nat. Sci. Conf. Conserv., Util. Resources Proc. 6. 1951, 359—363.
- Hukill, W. V.**, Storage and preservation of agricultural products. U. Nat. Sci. Conf. Conserv., Util. Resources Proc. 6. 1951, 342—344.
- Kefford, J. F.**, and **Empey, W. A.**, Australian problems in the preservation of perishable foods. U. Nat. Sci. Conf. Conserv., Util. Resources Proc. 6. 1951, 374—377.
- Kemper, H.**, Über Messingkäferplagen. [Niptus hololeucus] Schädlingsbekämpfung 43. 1951, 182—186, 4 Abb.
- Knipling, E. F.**, Present and future status of the use of insecticides in barn spray programs. Amer. Assoc. econ. Ent., North Centr. States Branch, Proc. 6. 1951, 20—21.
- Knipling, E. F.**, Recent developments in livestock and barn sprays. [for insect pest control] Chem. Spec. Manufact. Assoc. Proc. 38. 1951, 89.
- Köpp, J.**, Neue Erkenntnisse über Blitzzeinschläge und Heustockentzündungen. Grüne 79. 1951, 866—868.
- Kyd, St.**, Control of household insects. Oklahoma Ext. Serv. Circ. 454. [1951], 8 p., 9 fig.
- Lambou, M. G.**, **Condon, M. Z.**, and **Altschul, A. M.**, New ideas on problems of storage. Yearb. Agric. (U.S. Dept. Agric.) 1950—1951, 551—557.
- Lange, B.**, Weitere Versuchsergebnisse zur Speckkäferbekämpfung. [Dermestes sp.] Anz. Schädl.kunde 24. 1951, 21—23.
- Lepigre, A. L.**, Insectes du logis et du magasin. Lutte contre les insectes ennemis du commerçant et de la ménagère. Reconnaissance-moeurs et moyens de destruction. Jardin Essai, Insectarium, Algiers 1951. 339 p., 242 fig.
- Lilly, J. H.**, Seed treatment for wireworms and other insects. Amer. Assoc. econ. Ent., North Centr. States Branch, Proc. 6. 1951, 62.
- McDougall, W. A.**, The protection of stored seed with dusts. Queensl. agric. J. 73. 1951, 27—29.
- MacNay, C. G.**, The control of insects infesting food materials in the home. Canada Dept. Agric. Proc. Publ. (ser. Ent.) nr. 114. 1951, 4 p., 19 fig.
- Medler, J. T.**, Residual versus non-residual insecticides on forage insects. Jul. Hyman & Comp., Denver (Colorado) 1951. 4 p.
- Michelbacher, A. E.**, and **Furman, D. P.**, Control of household insects and related pests. Calif. agric. Ext. Serv. Coll. Agric. (Univ. Calif.) Circ. 172. 1951, 34 p., 28 fig.
- Monro, H. A. U.**, Insect pests in cargo ships. Canada Dept. Agric. Publ. 855. 1951, 45 p., 15 fig.
- Moore, L. H.**, Control household pests. New Mexico agric. Coll. Ext. Circ. 226. 1951, 16 p.
- Moore III, St.**, and **Sweetman, H. L.**, Control of eradication of pest thysanurans. [Lepisma saccharina, Ctenolepisma quadriseriata, C. urbana and Thermobia domestica] J. econ. Ent. 44. 1951, 770—772.
- Nikiforov, A. M.**, Aeroloji i ikh primeneniye dlia bor'by s ambarnymi vrediteliami i parazitami sel'skokhoziaistvennykh zhivotnykh. (Aerosols and their utilization in the control of storage pests and farm animal parasites.) Gos. Izd-vo Selkhoz Lit-ry, Moskva 1951. 71 p.
- Noyes, H.**, Storage for your home. Washington State Coll. Ext. Bull. 436. 1951, 15 p.
- Orser, W. B.**, and **Brown, A. W. A.**, The effect of insecticides on the heartbeat of Periplaneta. [Periplaneta americana] Canad. J. Zool. 29. 1951, nr. 1, p. 54—64, 5 fig.
- Palm, C. E.**, Problems in a pest control program for the canning industry. [insects] Nat. Canners Assoc. Inform. Let. 1325. 1951, 110—113.
- Parkin, E. A.**, Biological tests of insecticides for stored-product insects. Journ. Sci. Food Agric. 2. 1951, 136—141.
- Ramachandran, S.**, and **Mahadevan, V.**, The wax-moths and their control (Galleria mellonella F. and Achroia griseella F.). Indian Bee J. 13. 1951, 85—88.
- Řezáč, M.**, Několik poznámek o roztoči Cheyletus eruditus Schrank. (Some notes on the mite Cheyletus eruditus Schrank.) [in stored products] Ent. Listy (Folia ent.), Brno, 14. 1951, 164—167, 5 fig.
- Rogge, W.**, Und wieder — die Pharaomameise! Schädlingsbekämpfung 43. 1951, 103—104, 3 Abb.
- Roney, J. N.**, Household pests. Arizona agric. Coll. Ext. Circ. 195. 1951, 16 p.
- Schmitt, J. B.**, House ants and their control. New Jersey agric. Exp. Stat. Circ. 545. 1951, 8 p.

- Sellke, K.**, Über die Eignung der Infrarot-Strahlung zur Bekämpfung von Vorratsschädlingen. Nachr. bl. dtsh. Pflschutzd., Berlin, NF. 5. 1951, 70—72.
- Steiner, H.**, Schädlinge im Haus, Hof und Garten. Kosmos 47. 1951, 33—35.
- Steiner, P.**, Schädlingen auf den Fersen. Landfrauenarbeit (Beil. zu »Neue Mitt. Landw.«, Hannover, 6). 1951, H. 32, S. 251—252, 2 Abb., H. 33, S. 259—261, 12 Abb.
- Sykes, S. M.**, Progress in food preservation. Agric. Bur. New South Wales, State Conf. Hawkesbury Agric. Coll. 27. 1951, 34.
- Thistle, M. W., and Cook, W. H.**, Work of the Canadian Committee on Food Preservation. U. Nat. Sci. Conf. Conserv., Util. Resources Proc. 6. 1951, 363—366.
- Thomson, A. G.**, New insect-proof material for use in export packaging. Food Ind. South Afr. 3. 1951, nr. 11, p. 65, 67.
- Tiensuu, L.**, (Nach Finnland eingeschleppte Vorratsschädlinge.) Suomen Hyönteistieteellinen Aikakausk. 17. 1951, 148—153.
- Van Horn, W. M.**, Problems relating to insect resistance in fibrous packaging materials. Mod. Packaging 25. 1951, nr. 3, p. 117—118.
- Watters, F. L.**, Stored product insects. Manitoba ent. Soc. Proc. 7. 1951, 13—14.
- Wittwer, S. H., and Paterson, D. R.**, Inhibition of sprouting and reduction of storage losses in onions, potatoes, sugar-beets, and vegetable root crops by spraying plants in the field with maleic hydrazide. Michigan agric. Exp. Stat. Quart. Bull. 34. 1951, 3—8.
- Woodroffe, G. E.**, A life-history study of *Endrosis lactella* (Schiff.) (Lep. Oecophoridae). Bull. ent. Res. 41. 1951, 749—760, 2 fig., 3 tab.
- Woodroffe, G. E., and Southgate, B. J.**, Birds' nests as a source of domestic pests. [household insects] Proc. zool. Soc. London 121. 1951, 55—62.
- Zacher, F.**, Gefährliches Kükenfutter. Gedanken über Schädlingsverschleppung durch Futtermittel. Gesunde Pflanzen 3. 1951, 175—176, 1 Abb.
- Zacher, F.**, Hochfrequenzwärme als Mittel zur Bekämpfung von Vorratsschädlingen. Verhandl. dtsh. Ges. angew. Ent. 11. Mitgl.versamml. München 2. — 4. 10. 1949 (P. Parey, Berlin). 1951, 189—190.
- Zacher, F.**, Die Schädlingsbekämpfung in der Lebensmittelindustrie. Ernährungsindustrie 5. 1951, No. 8, S. 4—5.
- Zacher, F.**, Vorratsschädlinge in der bäuerlichen Wirtschaft. Gesunde Pflanzen 3. 1951, 66—69, 1 Abb.
- Zanden, G. V. D.**, (Insects in house and garden.) Natura 48. 1951, 9—13.
- Case moths** (Psychidae). New South Wales Dept. Agric. Insect Pest Leaf. 105. rev. 1951, 2 p.
- Control of household insects.** Bugs 4. 1951, 60—65.
- Fight food pests**, the prevention of damage to foodstuffs during their storage. Ordn. Lab., Cawnpore, Pest Control Pamphl. 6. 1951, 31 p.
- Skadedjur inomhus.** Stat. Växtskyddsanst., Stockholm, Flygbl. nr. 94 (rev. uppl. av nr. 73). 1951, 8 p., 6 fig.
- Statens Skadedyrlaboratorium: Årsberetning 1949—1950.** (Government Pest Infestation Laboratory (stored products and household pests): Annual report 1949—50.) Gov. Pest Infest. Lab., Springforbi, Ann. Rept. (1949—50). 1951, 41 p., 10 fig.

b. Kartoffeln und Rüben Potatoes and beets Pommes de terre et betteraves

- Bakermans, W. A. P., and Jochems, P. J.**, (Experiments on storage losses in fodderbeet in clamps.) Versl. Centr. Inst. landbouwkdg. Onderz. 1951, 82—90.
- Baumeister, W.**, Kartoffellagerversuche mit Agermin, Belvitan K und Rhizopon C. Angew. Bot. 26. 1951, 33—35.
- Becker, A.**, Schützt die Kartoffel vor Fäulnis und Schwund! Landw. Ztschr. Nord-Rheinprov. 118. 1951, 968.
- De Jong, W. H.**, (Potato storage research.) Versl. Centr. Inst. landbouwkdg. Onderz. 1951, 118—127.
- Ext, W.**, Verlustlose Lagerung von Kartoffeln. Gesunde Pflanzen 3. 1951, 213—218, 3 Abb.
- Fabiani, L.**, La conservazione dei tuberi di patata. Inform. Fitopat., Bologna, Pubbl. quindic., Gr. II, nr. 17—18. 1951, 1—5, 2 fig.
- Gaskill, J. O.**, Effects of wilting, drought, and temperature upon rotting of sugar-beets during storage. Proc. amer. Soc. Sugar-Beet Technol. 1950. ? 1951, 653—659, 2 fig.
- Gaskill, J. O.**, Possibilities for improving storage-rot resistance of sugar-beets through breeding. Proc. amer. Soc. Sugar-Beet Technol. 1950. ? 1951, 665—669, 2 fig.
- Gaskill, J. O.**, Progress report on the effects of nutrition, bruising, and washing upon rotting of stored sugar-beets. Proc. amer. Soc. Sugar-Beet Technol. 1950. ? 1951, 680—685, 1 fig.
- Goetz, K.**, Wohin mit den erfrorenen Dickrüben? Techn. Bauern, Gärtner (Ausg. A) 3. 1951, 78.
- Groskreutz, K. A.**, Geringere Verluste bei der Kartoffellagerung durch richtige Kontrolle von Mieten-temperaturen. Kartoffelbau 2. 1951, 250—251.

Hofferbert, W., Die Wulfsoder Grabenmiete. (D. P. a.)
 Bauernbl. Schlesw.-Holst. 5./101. 1951, 948—949,
 1 Abb. — Kartoffelbau 2. 1951, 159, 1 Abb.

Killermann, E., Meteorologische Hinweise zur Einlagerung von Hackfrüchten in Erdmieten. Bad. landw. Wochenbl. 118. 1951, 728—729.

Kliewe, H., Leitfaden der Entseuchung und Entwesung. F. Enke, Stuttgart 1951. 3. umgearb. Aufl., VIII + 126 S., 62 Abb.

Kloppel, R., Über Schwundverluste bei der Kartoffellagerung. Kartoffelbau 2. 1951, 193.

Martini, Hinweise zur Kartoffelaufbewahrung. Württ. Wochenbl. Landw. 118. 1951, 765—766, 2 Abb. — Bad. landw. Wochenbl. 118. 1951, 575—576.

Martinović, M., (A possibility for preventing potato germination.) Saschita Bilja (Plant Prot.), Beograd, nr. 5. 1951, 18—21, 1 tab.

Nicolaisen-Seupin, L., Das Problem der Kartoffellagerung. Früchte- u. Gemüse-Markt 3. 1951, Nr. 49, S. 13—14.

Payne, M. G., a.o., The effect of storage on color and sprouting of red McClure potatoes after 2,4-D treatment. Amer. Potato J. 28. 1951, 455—464.

Platzer, S., Sorgfältige Überwachung der Kartoffelbestände in Mieten, Kellern, Scheunen und Lagerhäusern ist geboten! Kartoffelbau 2. 1951, 249—250, 2 Abb.

Riskina, S. R., (Biological causes of sugar losses during long storage of beets.) Sakh. Promysh. (russ.) 25. 1951, nr. 12, p. 19—22.

Smith jr., W. L., Effect of initial storage temperature on weight loss, decay, and surface browning of new potatoes. Phytopathology 41. 1951, 565.

Sturzebecher, G., Das feldmäßige Einmieten der Kartoffeln nach den Erfahrungen der Praxis. »Ob Mieten groß oder klein, richtig müssen sie sein!« Kartoffelbau 2. 1951, 194—195.

Viergege, Einmietungsversuche in Großmieten. Kartoffelbau 2. 1951, 195.

Warmbrunn, K., Vermeidet Kartoffelverluste im Lager! (Mitteilung des Pflanzenschutzamtes Stuttgart.) Württ. Wochenbl. Landw. 118. 1951, 925.

Wittwer, S. H., and **Hansen, C. M.**, The reduction of storage losses in sugar-beets by preharvest foliage sprays of maleic hydrazide. Amer. Soc. Sugar-Beet Technol. East. U.S., Canada Proc. Region. Meetg. 6. 1951, 125—128.

Vermeidet Kartoffelverluste im Lager! Bad. landw. Wochenbl. 118. 1951, 699.

Zur Pflege der eingelagerten Kartoffeln. Württ. Wochenbl. 118. 1951, 25.

c. Getreide Cereals — Céréales

Arkhangel'skii, N. N., and **Poljakow, J. M.**, Bor'ba s klopom-cherepashkoi. (Control of Eurygaster integriceps.) Gos. Izd-vo Selkhoz Lit-ry, Moskva 1951. 102 p.

Bab Reddy, D., Location and detection of eggs in the grain. [Sitophilus oryzae, S. granarius] 9. int. Congr. Ent., Amsterdam, 11. 1951, 1.

Barducci, P., (The granary weevil (Sitophilus granarius) in food pastes.) Italia e Cereali 6. 1951, 576—578.

Barnes, H. F., A new gall midge (Dipt., Cecidomyiidae) predaceous on the flour mite, Tyroglyphus farinae (Deg.). [Trisopsis tyroglyphi] Bull. ent. Res. 42. 1951, 565—566.

Bernfus, E., Schädlinge im Getreide. Allg. Mühlenmarkt 52. 1951, 126—128.

Birch, L. C., **Park, T.**, and **Frank, M. B.**, The effect of intraspecies and interspecies competition on the fecundity of two species of flour beetles (Tribolium confusum and T. castaneum). Evolution 5. 1951, 116—132.

Black, D. T., High-clearance self-propelled canning corn sprayer. U.S. Dept. Agric. Bur. Plant Ind., Soils, agric. Engin. Inform. ser. 103. 1951, 22 p.

Brunner, H., Bekämpfung von Mühlenschädlingen mit Aerosol-Nebeln. Mühle, Detmold, 88. 1951, 641.

Brunner, H., Raumverneblung mit Nexol zur Bekämpfung von Mühlenschädlingen. Dtsch. Müller-Ztg. 49. 1951, 502—503.

Button, D. J., Iowa tests show it pays to spray for borers. [Pyrausta nubilalis] Agric. Leaders' Digest 32. 1951, nr. 6, p. 10—11.

Cevallos G., M. A., Control de gorgojos del maiz almacenado en la hacienda. [Sitophilus oryzae, S. granarius, Pagioecus frontalis] Mexico Ofic. Estud. Esp. Fol. Misc. 4. 1951, 21—26.

Chatterji, S., A note on the occurrence of Triphleps sp. (Anthecoridae—Rhynchota), a hitherto unrecorded predator of stored grain pests in India. Curr. Sci., Bangalore, 20. 1951, 241—242.

Christensen, C. M., Molds and stored grain. Right Off Cob 6. 1951, nr. 9, p. 4—5.

Colberg, W. J., and **Munro, J. A.**, 1951 control recommendations for European corn-borer (Pyrausta nubilalis). North Dakota agric. Exp. Stat. Bimonthly Bull. 13. 1951, 101—103.

Coon, B. F., Well-timed dusting with DDT destroys Jap beetles (Popillia japonica) on corn silks. Sci. Farmer (Pennsylv. Stat.) 1951, 3, 9.

Cotton, R. T., and **Walden, H. H.**, Fumigation of large bulks of sorghum grain. [insect control] Down to Earth 7. 1951, 6—7.

- Dahms, R. G., Guthrie, W. D., and Sieglinger, J. B.,** Insecticide-treated bags protect sorghum heads. *Crops and Soils* 4. 1951, nr. 3, p. 24.
- Dal Monte, G.,** (Survey on the diffusion of stored-wheat parasites in the world.) [insects] *Molini Italia* 2. 1951, 108, 110.
- Dal Monte, G.,** (Wheat and flour mites.) [Pyemotes ventricosus, Tyroglyphus farinae] *Molini Italia* 2. 1951, 521—524.
- Dennis, N. M.,** Effect on fumigation of adding sulfur dioxide to a carbon tetrachloride-carbon disulfide mixture. [against *Sitophilus oryza* and *Tribolium confusum*] *J. econ. Ent.* 44. 1951, 1022—1023.
- Dieckmann, Lagergefahr bei Winterweizen.** *Landw. Wochenbl. Kurh. u. Waldeck* 166. 1951, 1060.
- Drehs, E.,** Der Einfluß der Kornbehandlung mit Kontaktinsektiziden auf die Backfähigkeit von Roggen- und Weizenmehlen. *Mühle* 88. 1951, 457—459.
- Dworkin, Z. Z.,** New materials and methods for the control of stored grain insects. *Amer. Assoc. econ. Ent., North Centr. States Branch, Proc.* 6. 1951, 17—18.
- Eckardt, O.,** Getreide- und Mehlmilben. *Mühle, Detmold*, 88. 1951, 635—636.
- Fraenkel, G., and Stern, H. R.,** The nicotinic acid requirements of two insect species in relation to the protein content of their diets. [*Tenebrio molitor*, *Tribolium confusum*] *Arch. Biochem.* 30. 1951, 438—444.
- Freeman, J. A.,** Pest infestation control in breweries and maltings. *J. Inst. Brewing* 57. 1951, 326—337.
- Frey, W.,** Der Kornkäfer und andere Schädlinge im Getreidespeicher. *Biol. Bundesanst. Braunschwg. Flugbl.* O 5. 1951, 8 S., 12 Abb.
- Fricker, A.,** Acht auf den Kornkäfer! (Mitteilung des Pflanzenschutzamtes.) *Württ. Wochenbl. Landw.* 118. 1951, 508.
- Fricksinger, H. W.,** Die wichtigsten Mehlschädlinge. *Dtsch. Müller-Ztg.* 49. 1951, 631—634.
- Frost, S. W.,** Little-known corn pest may be responsible for poor stands. [*Clivina impressifrons*] *Pennsylv. agric. Exp. Stat. Bull.* 540 (sup. 1). 1951, 9.
- Ghosh, J. J.,** The effect of environmental factors on the fungal deterioration of stored rice grains. *Sci. and Cult., Calcutta*, 17. 1951, nr. 1, p. 42—43.
- Gółbiowska, Z.,** Wyniki badań nad zwalczaniem wolka zbożowego (*Calandra granaria* L.) przy pomocy preparatów krajowych i zagranicznych. (Investigations about the fighting against the corn-weevil (*Calandra granaria* L.) with the home-made and foreign insecticides.) *Roczniki Nauk Roln. (Pulawy)* 59. 1951, 243—258, 5 fig.
- Goodman, J. J.,** Lipolytic activity of certain fungi important in grain deterioration. *Phytopathology* 41. 1951, 14.
- Grandori, R.,** (How to protect stored wheat from insect attack.) *Boll. Zool. Agr., Bachicoltura* 17. 1951, 77—92.
- Grandori, R.,** (How wheat is protected from insects in storehouses.) *Italia agric.* 88. 1951, 384—391.
- Grandori, R.,** Protection et désinfestation du blé emmagasiné par des substances non-toxiques. 9. int. Congr. Ent., Amsterdam, 11. 1951, 3—4.
- Hamner, A. L.,** Preliminary observations of several chemicals for stored grain protection. [organic insecticides]. *Assoc. south. agric. Workers Proc.* 48. 1951, 95 (Abstr.).
- Hanson, D.,** You're losing feed and money from stored-grain insects. *Successful Farming* 49. 1951, nr. 12, p. 40—41, 86.
- Harada, T.,** (Fumigation with methyl bromide.) [insect control in grain storage] *Tokyo Food Res. Inst. Rept.* 5. 1951, 107—126.
- Havelka, J., and Winkler, J.,** Popis kukly škůdce *Tribolium destructor* Uyttenb. (The destructive flour beetle *Tribolium destructor* Uyttenb. — Description of the pupa (Col., Tenebr.) *Ent. Listy (Folia ent.)*, Brno, 13 (1950). 1951, 121—125, 1 fig.
- Holmes, E. L.,** Facts for the baker — insecticides, rodenticides, spot and space fumigants. *Northwest. Miller* 245. 1951, nr. 6, p. 34—36, 40, 55—56, 60.
- Holmes, E. L.,** Preventive sanitation. 32. Use of residual insecticides in bakery sanitation. *Bakers Weekly* 149. 1951, nr. 8, p. 38—40, 56.
- Howe, R. W.,** The movement of grain weevils through grain. [*Calandra*] *Bull. ent. Res.* 42. 1951, 125—134, 4 fig., 1 tab.
- Howe, R. W.,** A note on grain pests of the genus *Laemophloeus* (Col., Cucujidae). *Entomologist's monthly Mag., London*, 87. 1951, 161.
- Hüter, L.,** Der heutige Stand der Getreideentwesung mit chemischen Mitteln. *Müllerei* 4. 1951, Nr. 29, S. 20—22.
- Jacobs, S. E.,** Bacteriological control of the flour moth, *Ephestia kuehniella* Z. *Soc. appl. Bact. Proc.* 13 (1950). 1951, 83—91.
- James, W. L., and Terry, M. E.,** Ear corn damage project conducted at Churchland, Virginia. *Virginia J. Sci.* 2 (n. ser.). 1951, 380 (Abstr.).
- Jewett, H. H., and Price, W. A.,** Protecting stored corn from grain insects by bags impregnated with DDT. *Kentucky agric. Exp. Stat. Bull.* 571. 1951, 8 p.
- Jones, J. C., and Tauber, O. E.,** Normal total hemocyte counts of *Tenebrio molitor*. *Ann. ent. Soc. Amer.* 44. 1951, 539—543.
- Kästner, W.,** Wissenswertes über die Lagerung von feuchtem Getreide. *Mühle* 88. 1951, 668.

- Kahn, M. Q.**, A contribution to a further knowledge of the structure and biology of the weevils *Sitophilus oryzae* (Linn.) and *S. granarius* (Linn.) with special reference to the effects of temperature and humidity on the rate of their development. *Indian J. Ent.* 11 (1949), 1951, 143—201.
- Kanervo, V.**, (Directions for control of pests on grain.) *Nord. Jordbr.forskn.* 2/3. 1951, 535—540.
- Kreitlow, K. W.**, Infection studies with dried grain inoculum of *Sclerotinia trifoliorum*. *Phytopathology* 41. 1951, 553—558.
- Lange, Kornkäferbekämpfung rechtzeitig durchführen!** [*Sitophilus granarius*] *Landw.bl. Weser-Ems* 98. 1951, 523—524.
- Leclercq, J.**, Vitamins and proteins in the nutrition of *Tenebrio molitor* larvae. *J. Physiol.* 114. 1951, 53.
- Leib, E.**, Mangelnde phytosanitäre Kontrolle als Ursache für Kornkäfer-Massenbefall. *Ztschr. Pfl.-krankh.* 58. 1951, 428—429.
- Lemonde, A., et Bernard, R.**, Nutrition des larves de *Tribolium confusum* Duval. I. Recherche d'un régime synthétique basal satisfaisant leurs besoins nutritifs. II. Importance des acides aminés. *Canad. J. Zool.* 29. 1951, 71—79, 80—83.
- Lewis, E. W.**, a.o., Studies on the nature of the nutritional deficiencies of wheat gluten meal. *J. Nutrition* 43. 1951, nr. 1, p. 113—130.
- Lhéritier, G.**, Essai de lutte contre l'aleucite par une émulsion à base de gamma H.C.H. [*Sitotroga cerealella*] *Phytoma*, Paris, 4. 1951, nr. 26, p. 22—23, 3 fig.
- Lindgren, D. L., and Vincent, L. E.**, Relative toxicity of fumigants to *Tribolium confusum* and *Sitophilus granarius* in wheat. *J. econ. Ent.* 44. 1951, 975—979.
- Machatschke, J. W.**, Erfahrungen in der Bekämpfung des Kornkäfers (*Calandra granaria* L.) in leeren Lagerräumen mit Anox-Staub. *Dtsch. Agrartechn.* 1. 1951, 203—204.
- Mändl, B.**, Kornkäfer- und Schädlingsbekämpfung durch Hortex und Jacutin im Hinblick auf das Braugewerbe. I—II. *Brauwelt* 1951, 129—131, 161—163.
- Maltha, P.**, u.a., Einige Erfahrungen bei der Schädlingsbekämpfung in Getreide und Mehl mittels Lindane enthaltender Präparate. *Mühle, Detmold*, 88. 1951, 636—637.
- Marcus, Kornkäfer jetzt bekämpfen.** *Landw. Wochenbl. Kurh. u. Waldeck* 166. 1951, 668.
- Marsland, H.**, The price of freedom. [pests of bakeries, insects] *Arkady Rev.* 28. 1951, 15—16.
- Mathlein, R.**, Svartbruna mjölbaggan och dess bekämpande. *Växtskyddsnotiser*, Stockholm, 15. 1951, 37—38.
- Mayer, K.**, Einstäubemittel zur Kornkäferbekämpfung im Lagergetreide. *Nachr.bl. dtsh. Pfl.schutzd.*, Berlin, NF. 5. 1951, 163—170.
- Mende, P. F.**, (Experiment in chemical control of *Eurygaster integriceps* (grain pest) in its wintering places.) *Lesn. Khoz.* 4. 1951, nr. 9, p. 84—86.
- Missonnier, J.**, Influence de la lumière sur le développement de la teigne de la farine (*Ephestia kühniella* L.). *Compt. rend. Acad. Sci.*, Paris, 233. 1951, 986—987.
- Müller-Kögler, E.**, Schädlingsbekämpfung in Mühlen unter besonderer Berücksichtigung neuerer amerikanischer Verfahren. Vortrag auf der Getreidechemiker-Tagung 1951. *Getreide u. Mehl* (Beil. z. »Die Mühle«, Detmold) 1. 1951, 37—42.
- Murphy, N. F., and Kingrea, C. L.**, Elimination of insect contamination from bread corn. *Virginia J. Sci.* 2 (n. ser.). 1951, 341 (Abstr.).
- Naftali, Y.**, (Control of rodents in cereal barns.) *Hassadeh* (hebr.) 31. 1951, 512.
- Park, T., and Frank, M. B.**, »Paddle«: a sex-linked, recessive gene of *Tribolium castaneum* Herbst. *Amer. Nat.* 85. 1951, 313—318.
- Parkin, E. A.**, A laboratory test of pyrethrum powder to protect grain against infestation by weevil. *Pyrethrum Post* 2. 1951, nr. 3, p. 11—14.
- Parkin, E. A.**, A note on a test of pyrethrum powder against »*Ephestia elutella*« in stored grain. *Pyrethrum Post* 2. 1951, nr. 3, p. 17.
- Patel, H. K., and Patel, R. C.**, Insect pests of stored grains and their control. *Bansilal Amritlal agric. Coll. Mag.* 4. 1951, nr. 2, p. 10—14.
- Peredelskij, A. A., Bocharova, O. M., and Starovojtova, M. K.**, (Nature of migrations of *Eurygaster integriceps* from the mountain wintering places in Krasnodar Territory.) *Dokl. Akad. Nauk USSR*. 77. 1951, 499—502.
- Post, R. L.**, Protecting binned grain. [against insect infestations] *North Dakota agric. Exp. Stat. Bi-monthly Bull.* 14. 1951, 25—26.
- Potter, G. C., Shellenberger, J. A., and Farrell, E. P.**, The effectiveness of grain cleaning equipment and pre-break systems for removing hidden infestation. [removal of insects and insect fragments] *Amer. Miller, Processor* 79. 1951, nr. 8, p. 21, 24.
- Rauscher, H.**, »Durchgasung von Kleinmühlen«. *Verhandl. dtsh. Ges. angew. Ent.* 11. Mitgl.versamml. München 2.—4. 10. 1949 (P. Parey, Berlin). 1951, 124—128.
- Reddy, D. B.**, Determination of sex in adult rice and granary weevils (Coleoptera: Curculionidae). *Sitophilus oryzae*, *S. granarius*] *Pan-Pacific Ent.* 27. 1951, 13—16.

- Rehm, M.**, Die zeitliche Folge der Tätigkeitsrhythmen inkretorischer Organe von *Ephestia kühniella* während der Metamorphose und des Imaginallebens. W. Roux' Arch. Entwickl. mech. Org. 145. 1951, 205—248.
- Reisinger**, Beachtet und bekämpft den Wippel! [Sitophilus granarius] Kärntner Bauer 101. 1951, 660.
- Richards, O. W.**, The reaction to light and its inheritance in grain-weevils, *Calandra granaria* (L.) (Coleoptera — Curculionidae). Proc. zool. Soc. London 121. 1951, 311—314, 1 fig.
- Richardson, Ch. H.**, Effects of insecticidal fumigants on the germination of seed corn. J. econ. Ent. 44. 1951, 604—608.
- Robinson, R. N., Hukill, W. V., and Foster, G. H.**, Mechanical ventilation of stored grain. Agric. Engin. 32. 1951, 606—608.
- Rossi, M.**, (Pesticide treatments.) [control of stored wheat pests] Molini Italia 2. 1951, 258—259.
- Roth, L. M., and Willis, E. R.**, The effects of desiccation and starvation on the humidity behavior and water balance of *Tribolium confusum* and *Tribolium castaneum*. J. exp. Zool. 118. 1951, 337—361.
- Roth, L. M., and Willis, E. R.**, Hygroreceptors in adults of *Tribolium* (Coleoptera, Tenebrionidae). J. exp. Zool. 116. 1951, 527—570.
- Rumiantsev, P. D., and Ratanova, V. F.**, (Effective cleaning of grain infested with meal worms.) Vsesoiuzn. Nauch.-Issled. Inst. Zern. Prod. Ego Pererabotki, Soobshch. Ref. 3. 1951, 6—8.
- Schaffranek, F.**, Richtige Silokonstruktion zur Unterstützung der Schädlingsbekämpfung. [Kornkäfer] Mühle, Detmold, 88. 1951, 651—652.
- Schenk, P. J.**, (The grain weevil (*Sitophilus granarius*).) Cult. en Handel 17. 1951, 582—583.
- Schwardt, H. H.**, Today's insect problem in wheat and flour. Canad. Milling, Feed 32. 1951, nr. 6, p. 21, 56.
- Segrove, F.**, Oviposition behaviour in the two strains of the rice weevil, *Calandra oryzae* [i. e. *Sitophilus oryzae*] Linn. (Coleopt., Curculionidae). J. exp. Biol. 28. 1951, 281—297.
- Seifert, M.**, Die Schädlingsbekämpfung in der Kleinmühle. Mühle, Detmold, 88. 1951, 643—644.
- Sellke, K.**, Der Kornkäfer. Biol. Zentralanst. Berlin Flugbl. Nr. 1. 1951, 7 S., 2 Abb.
- Shedd, C. K.**, Le stockage et la conservation à la ferme du maïs insuffisamment mûr ou très humide. Agriculture, Paris, 15. 1951, 101—105.
- Šimková, L.**, (The experiments with the short-termed lethal temperatures of some seed pests (*Calandra* [i. e. *Sitophilus*] *granaria*, *Acanthoscelides obsoletus*, *Ephestia kühniella*).) Sborník českosl. Akad. Zeměd., Praha, 23. 1951, 313—319.
- Sosedov, N. I., Shvetsova, V. A., and Vakar, A. B.**, (Change in wheat quality during self-heating.) Vsesoiuzn. Nauch.-Issled. Inst. Zern. Prod. Ego Pererabotki, Soobshch. Ref. 3. 1951, 1—4.
- Talhoun, A. S.**, The effect of parathion dusts on *Eurygaster integriceps* Put. (Hem.). Bull. ent. Res. 42. 1951, 375—377.
- Thomas, B.**, Behandlung und Verarbeitung des mit Kontaktinsektiziden (DDT und HCC) bestäubten Getreides. Nachr.bl. dtsh. Pfl.schutzd., Berlin, NF. 5. 1951, 170—173.
- Thomas, B.**, Moderne Wege der Schädlingsbekämpfung bei der Getreidelagerung. Dtsch. Landw. 2. 1951, 91—93.
- Tomaszewski, W., and Gruner, H. E.**, Die Temperaturabhängigkeit der Wirkung synthetischer Insektizide (DDT, Hexa) auf den Kornkäfer (*Calandra granaria* L.). Beitr. Ent., Berlin, 1. 1951, 105—109, 2 Abb.
- Tsitovich, I. K.**, (Possibilities of applying DDT to control *Eurygaster*.) Sovet. Agron. 9. 1951, nr. 3, p. 88—91.
- Ushatinskaja, R. S., and Makhotin, A. A.**, (Effect of mineral oil emulsions of DDT on the imago of *Eurygaster integriceps* new generation.) Dokl. Akad. Nauk USSR. 81. 1951, 969—972.
- Walkden, H. H.**, Farm storage of cereal grains. Milling Prod. 16. 1951, nr. 10, p. 1, 7, 23—25.
- Walkden, H. H.**, Field infestation of ripening wheat by stored grain insects. Milling Prod. 16. 1951, nr. 3, p. 7.
- Walkden, H. H., and Schwitzgebel, R. B.**, Evaluation of fumigants for control of insects attacking wheat and corn in steel bins. U. S. Dept. Agric. Techn. Bull. 1045. 1951, 20 p.
- Wasserburger, H.-J.**, Erfahrungen in der Kornkäferbekämpfung. Dtsch. Landw. 2. 1951, 269—270.
- Will, F.**, Moderne Schädlingsbekämpfung in Mühlen und Speichern. Mühle, Detmold, 88. 1951, 644—645, 2 Abb.
- Wood, L. B.**, New method beats corn weevil. [stored corn protected with Pyrene dust treatment] Florida Grower 59. 1951, 19—20.
- Yamamoto, I., Yamashita, F., Kawasaki, R., and Kawamoto, N.**, (Studies on the effect of high frequency to the rice weevil in grains. I.) Oyo-Kontyu 7. 1951, 79—80 (Abstr.).
- Zacher, F.**, Die wichtigsten Schädlinge des lagernden Getreides. Mühle, Detmold, 88. 1951, 633—635.
- Zirkel, H.**, Über die Notwendigkeit zur Schaffung neuer Bekämpfungsmethoden gegen die Getreideschädlinge. Mühle, Detmold, 88. 1951, 631—633.
- Zitowitsch, I. K.**, Möglichkeiten der Anwendung von DDT bei der Bekämpfung der schädlichen Schildwanze. [*Eurygaster integriceps*] Sowj. Landw.kunde 9. 1951, 88—91.

Ein amerikanisches Reinigungsdiagramm in bezug auf Schädlingsbekämpfung und Hygiene. Mühle, Detmold, 88. 1951, 653—654, 1 Abb.

Anleitung zur Kornkäfer-Bekämpfung. Landw.-Kammer Weser-Ems, Oldenburg 1951. 7 S., 9 Abb.

The common grain moth (*Sitotroga cerealella*). Agric. Gaz. New South Wales 62. 1951, 473—475.

The Indian meal moth (*Plodia interpunctella*). New South Wales Dept. Agric. Insect Pest Leaf. 65. 1951 (rev.), 2 p.

Müllerei-Tagung der Arbeitsgemeinschaft Getreideforschung e. V. Detmold vom 12. bis 14. Juni 1951. Sonderh. Müllerei 29. 1951, 1—79.

Présence d'acariens dans les fourrages. Rev. rom. Agric., Vitic., Arboric. 7. 1951, 80.

Röntgenstrahlen gegen Kornkäfer. Württ. Wochenbl. Landw. 118. 1951, 512.

Save farm grain by fumigation. [insect control] U. S. Dept. Agric., Off. Inform. Farm Mobiliz., Fact Sheet 1 (Suppl.). 1951, 3 p.

Storage of wheat in underground silos. Argent. Dir. Nac. Granos, Elevadores, Un. Nat. Sci. Conf. Conserv., Util. Resources Proc. 6. 1951, 356—358.

d. Hülsenfrüchte

Legumes — Légumineuses

Griebel, C., Durch charakteristische Früchte (*Bifora testiculata* und *Galium tricornis*) verunreinigte Linsen. Ztschr. Lebensm.-Untersuch. u. -Forsch. 93. 1951, 362—364, 5 Abb.

Griebel, C., Durch Früchte des Büzeldorns (*Tribulus terrestris* L.) verunreinigte Bohnen. Ztschr. Lebensm.-Untersuch. u. -Forsch. 92. 1951, 24—27, 4 Abb.

Monvoisin, A., Le traitement frigorifique des fruits et des légumes. Extrait de »La conservation par le froid des denrées périssables«. Dunod, Paris 1951. 4. ed., vi+126 p., 54 fig.

Purucker, H., Theiler, F., und Walther, R., *Bruchidius obtectus* Say, ein neu eingeschleppter Bohnenvorratsschädling. Saatgut-Wirtschaft 3. 1951, 202—203, 6 Abb.

Stone, M. W., Effect of winter cover crops on wireworm injury to the dry lima bean crop. U. S. Dept. Agric. Techn. Bull. 1039. 1951, 20 p.

Toole, E. H., Toole, V. K., Lay, B. J., and Crowder, J. T., Injury to seed beans during threshing and processing. U. S. Dept. Agric. Circ. 874. 1951, 10 p.

Venturi, F., I tonchi dei legumi. [Bruchidae] Inform. Fitopat., Bologna, nr. 11. 1951, 1—3, 2 fig.

e. Obst und Gemüse

Fruits and vegetables

Fruits et plantes maraîchères

Agati, G., La protezione dei prodotti ortofrutticoli durante l'immagazzinamento. Riv. Ortoflorofruttic. ital. 76. 1951, 141—143.

Allen, F. W., Apple growing in California. [storage diseases] Calif. agric. Ext. Serv. Circ. nr. 178. 1951, 75 p., 34 fig., 3 tab. col., 1 tab. geogr.

Barnes, D. F., Pilgrim, A. J., and Wheeler, G. B., Irrigation and dried fruit beetles. Calif. Fig Inst. Proc. ann. Res. Conf. 5. 1951, 39—41.

Barth, E., Wie erhalte ich gesundes Lagerobst? (Mitteilung des Pflanzenschutzamtes.) Württ. Wochenbl. Landw. 118. 1951, 629.

Baumeister, W., Künstliche Wachsüberzüge und Lagerfähigkeit verschiedener Apfelsorten. Angew. Bot. 26. 1951, 36—41.

Bömeke, H., Die Obstläger nicht ausschweifeln, wenn bereits Früchte darin sind! Mitt. Mitgl. Obstbauvers. ring Altes Land usw. 6. 1951, 182—183, 3 Abb.

Bömeke, H., Vorsicht mit dem Holzschutzmittel Osmol WB 4 im Obstlager! Mitt. Mitgl. Obstbauvers. ring Altes Land usw. 6. 1951, 184.

Bryden, J. D., and Mandelson, L. F., Mould development in canned prunes. Agric. Gaz. N. S. Wales 62. 1951, 297—300, 5 fig.

Carlone, R., Ricerche sperimentali sulla perdita in peso durante la conservazione delle mele. (Experiments on the weight losses of stored apples.) Ann. Sperim. agr., Roma, n. ser. 5. 1951, 616—640.

Dullum, N., og Rasmussen, P. M., Forsøg med opbevaring af æbler 1940—1948. (438. Beretning fra Statens Forsøgsvirksomhed i Planteavl.) (Apple storage experiments 1940—48.) Tidsskr. Planteavl, København, 54. 1951, 249—317, 6 fig.

Falch, J., Die Ursachen der Lagerverluste im Kühlhaus. Mitt. höh. Bundeslehr- u. Vers. anst. Wein-, Obst- u. Gartenbau, Wien-Klosterneuburg, 1. 1951, 59—66.

Fischer, H., Verlustfreie Obsteinlagerung. Gesunde Pflanzen 3. 1951, 269—272.

Fischer-Rellingen, Lagerobstschäden durch Hausbock-Bekämpfungsmittel. Gesunde Pflanzen 3. 1951, 133—134.

Fisher, D. V., and Porritt, S. W., Apple harvesting and storage in British Columbia. [Lagerschäden] Ottawa Dept. Agric. Publ. 724. 1951, 47 p., 19 fig.

Friedman, B. A., Control of decay in prepackaged spinach. [Erwinia carotovora] Phytopathology 41. 1951, 709—713.

Galloway, A. G., Disinfestation of fruits and vegetables by heat and cold. In: Refrigerating Data Book (Amer. Soc. refrig. Engin., New York), 3. ed. 1951, p. 247—249.

- Goetsch, W.**, Richtiges Einmieten schützt vor Verlust. In: Querschnitt durch den neuen Gartenbau (Dtsch. Bauernverlag, Berlin) 1. 1951, 112—118, 8 Abb.
- Gorgström, G.**, Gaslagring av frukt och bär. (Storage of fruit in modified atmospheres.) Kungl. Lantbruksakad. Tidskr. 90. 1951, 49—69.
- Hingorani, M. K.**, and **Malla, D. S.**, Bacterial soft rot of onions in storage. [*Pseudomonas marginalis*] Indian Phytopath. 4. 1951, 58—59.
- Ishida, J.**, Temperatures for shipping and storing fruits and vegetables. Hawaii. Univ. Agric. Ext. Circ. 311. 1951, 2 p.
- Jones, A. H.**, Better quality-control needed to reduce mould counts of tomato products. Canad. Food Ind. 22. 1951, nr. 12, p. 37—38.
- Kesler, H.**, Obstlagerung. Schweiz. Ztschr. Obst-, Weinbau 60. 1951, 309—314, 2 Abb., u. 346—351, 4 Abb. (Mitt. Eidg. Vers.anst. Obst-, Wein-, Gartenbau Wädenswil Flugschr. Nr. 29).
- Kesler, H.**, Obstsortenproblem und Lagerungstechnik. Schweiz. Ztschr. Obst-, Weinbau 60. 1951, 7—9, 29—35, 3 Abb.
- Lewis, H. C.**, Thrips injury to storage lemons. Calif. Citrogr. 37. 1951, 36.
- Lüthi, H.**, Antibiotica für die Nahrungsmittel-Konservierung? Schweiz. Ztschr. Obst-, Weinbau 60. 1951, 492—493.
- Matsuzawa, H.**, (On some injurious insects of »Sengiridaikon«, the dried pieces of garden-radish.) Kyushu Noji Shinjiko 8. 1951, 117—118.
- Mauch, A.**, Schornsteinlüftung oder gekoppelte Lüftung für das Obstlager. Mitt. Mitgl. Obstbauvers.ring Altes Land usw. 6. 1951, 170.
- Mauch, A.**, und **Vahl, E. v.**, Die Erfahrungen mit den neuen Lagerhäusern und ihre Verbesserungsmöglichkeiten. Mitt. Mitgl. Obstbauvers.ring Altes Land usw. 6. 1951, 53—56 u. 78—79, 3 Abb.
- Melville, C.**, Quantitative determination of insect infestation in powdered vegetable drugs. Chem. and Druggist 156. 1951, 534—535 (Abstr.).
- Mohorčič, H.**, (The weight deficiency by stored apples.) Jugosl. Minist. Poljoprivrede Arh., Poljoprivredne Nauka i Teh. 4. 1951, nr. 6, p. 140—152.
- Monvoisin, A.**, Le traitement frigorifique des fruits et des légumes. Extrait de »La conservation par le froid des denrées périssables«. Dunod, Paris 1951. 4. ed., vi+126 p., 54 fig.
- Mossel, D. A. A.**, Investigation of a case of fermentation in fruit products, rich in sugars. Antonie van Leeuwenhoek, J. Microbiol., Serol., 17. 1951, 146—152.
- Nicolaisen, N.**, und **Nicolaisen-Seupin, L.**, Zur Frage der Vorherbestimmung der Lagerungsfähigkeit von Gemüse und Obst in Kühlräumen. Kältetechnik 3. 1951, 7—9.
- Nicolaisen-Seupin, L.**, Ernte, Sortierung, Absatz und Vorratshaltung im Gemüsebau. Bayer. Landwirtschaft, GmbH., München 1951. 59 S., 40 Abb.
- Pimenova, A. S.**, (Fungus *Typula* on stored cabbage.) Sad i Ogorod (Orchard and Garden) nr. 3. 1951, 78.
- Rabunets, N. A.**, (Treatment of seed carrots (with Zbarskii's bactericide and NIUIF-1 preparation) as a measure for controlling diseases during storage.) Sad i Ogorod (Orchard and Garden) nr. 9. 1951, 62—63.
- Rose, D. H.**, **McColloch, L. P.**, and **Fisher, D. F.**, Market diseases of fruits and vegetables; apples, pears, quinces. U.S. Dept. Agric. Misc. Publ. 168 (rev.). 1951, 72 p.
- Shoji, K.**, Storage studies of vapor-heat- and ethylenedibromide-treated papaya. Hawaii. agric. Exp. Stat. Progr. Note 67. 1951, 5 p.
- Steenland, A. P.**, Virus in nursery stock. West. Fruit Grower 5. 1951, nr. 3, p. 19.
- Taylor, C. F.**, Starking apples, 1950—51 storage test. [*Thamnosphaeria pyri*] Cumberland-Shenandoah Fruit Workers' Conf. Proc. 27. 1951, 113.
- Thiele, K.**, Obstlagerung. In: Querschnitt durch den neuen Gartenbau (Dtsch. Bauernverlag, Berlin) 1. 1951, 41—45, 4 Abb.
- Thiem, Die Ursachen des Verderbens der Obst- und Gemüsekonserven in den Haushaltungen.** Obstbau 70. 1951, 156—157.
- Tindale, G. B.**, 1951 storage trials; influence of rootstock, fertilisers and handling on mould in stored navel oranges. Citrus News 27. 1951, 155.
- Tomkins, R. G.**, The microbiological problems in the preservation of fresh fruits and vegetables. J. Sci. Food, Agric. 2. 1951, 381—386.
- Venkatarayan, S. V.**, and **Delvi, M. H.**, Black mould of onions in storage caused by *Aspergillus niger*. Curr. Sci., Bangalore, 20. 1951, 243—244, 1 fig.
- Westermaier, Obst** — richtig gelagert. Land u. Frau 31. 1951, 302.
- Winter, J. C.**, Reduction of cantaloup loss and damage in rail transportation through use of the upright loading method; an interim report. U.S. Prod., Market. Admin., Washington, 1951, 16 p.
- Dried Fruits Board, South Australia:** Twenty-second report. Adelaide 1951, 11 p.
- Insect pests.** [*Plodia interpunctella* and *Maleuterpes spinipes*] Agric. Gaz. New South Wales 62. 1951, 41—43, 52.
- New disease controls.** New methods and chemicals for canning crops reported at the American Phytopathological Society Meeting. Food Packer, New York, 32. 1951, nr. 1, p. 31.

f. Tabak

Tobacco — Tabac

Takaoka, I., (Notes on the injurious insects of stored tobacco and tobacco products.) Oyo-Kontyu 7. 1951, 78 (Abstr.)

Tenhet, J. N., and **Bare, C. O.**, Cold storage to control the cigarette beetle in cigar tobaccos. [Lasioderma sericorne] U.S. Dept. Agric. Bur. Ent., Plant Quar. E-827. 1951, 8 p.

Tenhet, J. N., and **Bare, C. O.**, Control of insects in stored and manufactured tobacco. U.S. Dept. Agric. Circ. nr. 869. 1951, 32 p., 20 fig.

g. Holz und Papier

Wood and paper

Bois d'oeuvre et papier

Aguilar, L., Apitong (Dipterocarpus), the most common structural timber of the Philippines, and its treatment with wood preservative. Forestry Leaves 5. 1951, nr. 2, p. 18—21, 32.

Angell, H. W., Fire-retardant plywood and lumber. Wood working Digest, Wheaton (Illinois), 53. 1951, 159—162.

Angell, H. W., The production and use of fire resistant treated lumber. Proc. Forest Prod. Res. Soc. 5. 1951, 107—113.

Avenarius, R., Die Aufgaben des Holzschutzkreises im Verband der Bauten und Holzschutzmittelindustrie. Holz-Zentralbl. 77. 1951, 1344.

Barmack, B. J., »Dentistry« saves wood poles, stops pole-top heart 'rot'. [Pentachlorophenol] Electr. World, New York, 136. 1951, 112—113, 5 fig.

Becker, G., Ein kaum bekannter Käfer im Bauholz breitet sich aus. [Trypophytus carpinus] Holz-Zentralbl. 77. 1951, 1895—1896.

Becker, G., Kornmotten und Pilzmücken an holzerstörenden Pilzen und in pilzerstörtem Holz in Gebäuden. Ztschr. hyg. Zool. 39. 1951, 5—14, 6 Abb.

Beesley, J., and **Tack, G. W.**, Service tests of fence post treatments in New South Wales using Eucalyptus pilularis, E. grandis and E. maculata round fence posts. Forest. Prod. Lab., South Melbourne, Progr. Rept. nr. 4. 1951, 7 p.

Beesley, J., and **Tack, G. W.**, Tests of fence post treatments in New South Wales using E. pilularis, E. grandis, and E. maculata round fence posts. Austr. Commonw. sci., ind. Res. Org., Div. Forest Prod., South Melbourne, 1951, 7 p.

Behr, E. A., and **Hubert, A. J.**, Preservation of fiber insulating board with copper pentachlorophenate. Tappi (Techn. Ass. Pulp Pap. Ind.) 34. 1951, 519—523.

Belani, E., Vom Holzschutz tropischer Wohnhäuser. Int. Holzmarkt 42. 1951, Nr. 14, S. 13.

Bennett, R. G., and **Binns, E. J.**, The preservation of wooden transmission poles. Brit. Wood Preserv. Assoc. Rec. 1951, 37—40.

Bescher, R. H., A message from the wood preservers. [railway ties] Cross Tie Bull. 32. 1951, nr. 10, p. 73—75.

Blair, T. A., What's ahead for treated wood in the railroad field. Proc. amer. Wood Preserv. Assoc. 47. 1951, 212—276. — Wood Preserv. News 1951, 63.

Block, S. S., Protection of paper and textile products from insect damage. Ind., engin. Chem. 43. 1951, 1558—1563.

Bond, W. R., Creosoted breakwater protects fishing fleet on Oregon coast. Wood Preserv. News 1951, 139—140, 143.

Bond, W. R., Treated posts in fences on model farm. Wood Preserv. News 29. 1951, 127—133.

Borg, J., Konservering av stängselstolpar. (Preservation of fence posts.) LT's Förlag, Stockholm 1951. 83 p.

Brauns, A., Das Auftreten von Holzwespen in verbaute Holz. Norddtsch. Holzw. 5. 1951, Nr. 22, S. 6.

Brauns, A., Fraßbilder an Naturzäunen. Norddtsch. Holzw. 5. 1951, Nr. 46, S. 6.

Brauns, A., Nutzholzschäden durch Werftkäfer. Norddtsch. Holzw. 5. 1951, Nr. 6, S. 6—7.

Brauns, A., Splintholzkäfer als Schädling im Limba-Furnier. [Lyctidae] Holz-Zentralbl. 77. 1951, 1554.

Bray, J. M., Down to earth wood preservation. Wood Working Digest 53. 1951, nr. 11, p. 77—80, 82.

Brett, R. L., Larvabrome. [a fumigant for buildings] Larvacide Log 12. 1951, 3.

Broese van Groenou, I. H., Over de waterbepaling in Creosootolie. Spoor- en Tramwegen 24. 1951, 295—296.

Buettner, R., Treating fence posts. Alabama Farmer 31. 1951, nr. 3, p. 4—5.

Butler, J. B., Dry rot. Part III. [chiefly Merulius lacrymans in buildings] Archit. (Build.) J. 1951, 7 p., 10 fig.

Butovitsch, V., och **Lekander, B.**, Husböcken och andra virkesförstörande insekter inom hus. (Der Hausbock und andere im Haus befindliche holzerstörende Insekten.) Häroldens Tryckeri, Stockholm 1951. 32 p., 26 fig.

Campredon, J., Précautions à prendre pour empêcher l'attaque des charpentes par le »capricorne« des maisons (Hyloterpes bajulus). Bois 68. 1951, nr. 4, p. 1, 3.

- Clapp, W. F.**, Adequate inspection — a must for marine piles. *Proc. amer. Wood Preserv. Assoc.* 47. 1951, 128—132.
- Clymer, C. L.**, Treated fence posts. *Oklahoma A. and M. Coll. Ext. Serv.*, Stillwater, Circ. 541. 1951, 14 p., fig.
- Conway, E. M.**, and **Schnell, R. L.**, Fence post treating demonstrations in the Tennessee Valley. *Down to Earth* 7. 1951, nr. 3, p. 13—14.
- Coppock, J. B. M.**, and **Cookson, E. D.**, The effect of humidity on mould growth on constructional materials. *J. Sci. Food, Agric.* 2. 1951, 534—537.
- Cormio, R.**, (Damage by teredo.) *Ind. Legno* 3. 1951, nr. 12, p. 29.
- Czaja, A. T.**, Intensiver Bautenschutz. Die schwamm-sichere Holzbalkendecke. *Jahrb. techn. Hochschule Aachen* 4. 1951, 136—148.
- Diehl, Lebensdauer von getränkten und ungetränkten Holzschwellen nach bayerischen Erfahrungen.** *Glasers Ann. Gew.* 75. 1951, 104—107, 2 Abb.
- Dodge, B. O.**, A fungus (*Beauveria*) capable of parasitizing wharf-piling borers (*Nacerda melanura*). *Bull. Torrey bot. Club* 78. 1951, 201—205.
- Dölger, F. W.**, Praktische Hinweise und kritische Betrachtungen zur Pflege von Holzmasten. *Elektrizitätswirtschaft* 50. 1951, 69—71.
- Durr, H. J. R.**, Report of the toxicity of Dieldrin to the European house borer (*Hylotrupes bajulus*). Preliminary investigation of relative toxicity. *J. Hyman & Co., Denver (Colorado State)*, 168. 1951, 1—2.
- Eichelhardt**, Feuerversicherungstechnische Beurteilung von Holzflammschutzmitteln. *Versicherungswirtschaft* 6. 1951, 36.
- Ellwood, E. L.**, An investigation of methods of seasoning »ash« Eucalypt veneers and the development of suitable drying schedules. (Second report.) *Commonw. sci., ind. Res. Org., Div. Forest Prod., Forest Prod. Lab., South Melbourne, Progr. Rept.* 11. 1951, 43 p., 15 fig.
- Feytaud, J.**, La protection des papiers d'archives contre les vrillettes (*Anobiidae*). *Compt. rend. Acad. Agric. France* 37. 1951, 350—353.
- Findlay, W. P. K.**, A note on the fungi of less common occurrence in houses. *Trans. brit. mycol. Soc.* 34. 1951, 35—37, 1 tab.
- Fitzgerald, O. A.**, More posts for the penta barrel. [preservation with pentachlorophenol] *Idaho Farmer* 69. 1951, 347. — *Washington Farmer* 76. 1951, 448.
- Fogl, E. R.**, The preservation of fence posts. *New South Wales Forestry Comm., Div. Wood Technol., techn. Notes* 5. 1951, 12—15.
- Freeman, J. A.**, The inter-relation of insect attack on stored food and on wood. *Trans. IXth int. Congr. Ent.* 1. 1951, 719—722.
- Frisch**, (Flammschutzmittel — Zinkphosphat-Ammoniak-Komplexverbindung.) *Amer. Dyestuff Rept.* 40. 1951, 278.
- Gadd, W. E.**, Paintable pressure-treated lumber. *South. Lumberman* 182. 1951, nr. 2278, p. 40, 42.
- Geiger, F. K.**, Die Schwammabseitung im Mauerwerk. *Holz* 5. 1951, 132—135.
- Gläser, H.**, Das Holz als Werkstoff, seine Bearbeitung und Veredelung, sein Schutz und seine Verwendung. *Chem. Technol.* 3. 1951, 470—496.
- Goidanich, G.**, Caratteristiche generali della microflora della pasta-legno. *Boll. Staz. Pat. veg., Roma (ser. 3)*, 7 (1949). 1951, 51—66, 7 fig.
- Goldin, M. M.**, Antiseptitscheskaja saschtschita derewjannyh konstrukzij. (Antiseptischer Schutz von Holzkonstruktionen.) *Gos. Is. Arch. Grad., Moskau* 1951. 2. ed., 273 p.
- Govenius, B.**, Husboken och Strimmiga Trägnagaren. De farligaste virkesförstörande insekterna inomhus. *Govenius & Dahlgren, Stockholm* 1951. 12 p.
- Graham, R. D.**, Service life of treated and untreated fence posts. 1951 progress report on the T. J. Starker post farm (Project No. 29). *Oregon Forest Prod. Lab. Progr. Rept.* 5. 1951, 28 p.
- Gran, G.**, och **Pehrson, St. O.**, Organiska kvicksilverföreningar såsom desinfektionsmedel för massa- och pappersindustrin. (Organic mercury compounds as disinfectants for the pulp and paper industry.) *Svensk Papp Tidn.* 54. 1951, 93—95.
- Greaves, C.**, Preservative treatment of Douglas fir and western hemlock sleepers in Canada. *Brit. Wood Preserv. Assoc. Rec.* 1951, 91—104.
- Griffioen, K.**, An experiment with impregnated sleepers in an Indonesian railroad track. *Tectona* 41. 1951, 157—178, 1 fig.
- Häcker, G.**, Feuerschutzimprägnierung von Holz. Moser, *Garmisch-Partenkirchen* 1951. 15 S. (Fachlit.-Ermittl., Ber.dienst Ind. u. Forsch. Arch. 795).
- Hähnle, O.**, Probleme des Holzschutzes im Bauwesen. *Holz-Zentralbl.* 77. 1951, 994.
- Hamilton, J. R.**, and **Dixon, R. D.**, Preservation of fence posts by the cold-soak method. *Georgia agric. Exp. Stat. Circ.* 169. 1951, 17 p.
- Hammond, J. G.**, Woodwork preservation. *Wood Working Digest* 53. 1951, nr. 3, p. 73—76.
- Hartley, C.**, Long life for wood. *Gard. J.* 1. 1951, 174—176, 186, 193.
- Hartman, C. F.**, This wood won't burn. *South. Lumberman* 183. 1951, nr. 2297, p. 235—237.

- Henderson, J., Woodworm. House and Garden 6. 1951, 72, 74.
- Hespler, O., Auftreten und Bekämpfung des Hausbocks. Trans. IXth int. Congr. Ent., Amsterdam, 1. 1951, 715—718.
- Hespler, O., Vorbeugung gegen Termitenbefall. Trans. IXth int. Congr. Ent., Amsterdam, 1. 1951, 990—1004.
- Hickin, N. E., The status of the common furniture beetle in Britain. Brit. Wood Preserv. Assoc. Rec. 1951, 169—174.
- Hickin, N. E., Woodworm (P 11—13). Cabinet Maker 1951, 789, 4 fig., 967, 1129—1130, 1 fig.
- Hickin, N. E., Woodworm 15: Musical instruments and their treatment. Cabinet Maker, Complete House Furnisher Oct. 1951, 1 p.
- Hopkins, W. C., Cottonwood (*Populus*) and willow (*Salix*) posts difficult to treat. Forest Farmer 10 (11, i. e. 12). 1951, 15. — Mississippi Farm Res. 14. 1951, nr. 6, p. 8.
- Howell, H. A., Durable fence posts. [preservation] Arkansas Farmer 103. 1951, nr. 2, p. 18—19.
- Hussain, S. M., Dry-rot in building timber. [Lenzites sepiaria] Pakistan J. Forestry, Abbottabad, 1. 1951, 51—54.
- Isherwood, H. R., Life artery of a building — or how termites set up housekeeping. Pest Control 19. 1951, nr. 3, p. 22—23.
- Jacquot, C., Emploi du chauffage par la haute fréquence pour la destruction des insectes des bois mis en oeuvre. Bois et Scieries 57. 1951, 436.
- Jacquot, C., La mûrle ou champignon des maisons, *Gyrophana lacrymans* (Wulf. Pat.). Inst. nat. Bois Étude Techn. 6. 1951, 7 p., 1 fig.
- Klauditz, W., Untersuchungen zur Herstellung pilz- und termitenfester Holzfaserplatten. Mitt. Inst. Holzforsch. Ver. techn. Holzfragen, Braunschweig, 1951, 12 S.
- Klauditz, W., und Stolley, L., Holzschutz bei Holzspanplatten. Ver. techn. Holzfragen e. V., Braunschweig, Tagg. Braunschweig 1951, 159—166.
- Koch, C., More posts for the penta barrel. [preservation with pentachlorophenol] Utah Farmer 71. 1951, 543, 560.
- König, E., Die Fußbodendielen verfaulten. Norddtsch. Holzw. 5. 1951, Nr. 12, S. 7—8.
- König, E., Die Hausbockgefahr, ihre Erkennung und Beseitigung. [Hylotrupes bajulus] Norddtsch. Holzw. 5. 1951, Nr. 17, S. 2—4.
- Kühl, H., Über den Bohrmuschelbefall an Fischkuttern. Fischereiwelt Nr. 9. 1951, 3 S.
- Kunze, R., Holzschädenverhütung in Bauten. Österr. Forst- u. Holzw. 6. 1951, 428—431, 4 Abb.
- Kurenzow, A. I., O sochranenii lesomaterialow mant-schurskogo jasenja ot powreshdenij nasekomymi w uslowijach nasashdenija. (Über den Schutz des im Bestand lagernden Holzes der mandschurischen Esche gegen Insektenbeschädigungen.) Priroda nr. 8. 1951, 78—80.
- Kurir, A., Holzinsekten — Holzschutz: Gekämmerter Pochkäfer (*Ptilinus pectinicornis*), Holzzerstörer an Balken und Pfählen. Allg. Holz-Rundschau 7. 1951, 232—233.
- Kurir, A., Holzinsekten — Holzschutz: Kapuzinerkäfer (*Bostrychus capucinus*), technischer Schädling der schweren Harthölzer. Allg. Holz-Rundschau 7. 1951, 251—253.
- Kurir, A., Holzinsekten-Holzschutz: Parkettkäfer (*Lyctus linearis*). Allg. Holz-Rundschau 7. 1951, 147—149.
- Kurir, A., Holzinsekten — Holzschutz: Scheckiger Pochkäfer (*Xestobium rufovillosum*), technischer Schädling des verbauten Laubholzes. Allg. Holz-Rundschau 7. 1951, 209—210.
- Langendorf, G., Die Beseitigung des Hausschwammes und anderer Hausfäulen. Fachbuchverlag, GmbH., Leipzig 1951. 48 S.
- Lehmann-Carpzov, B., Holzzerstörer Hausschwamm. Orion 6. 1951, 844—847.
- Leib, E., Wie gehe ich gegen den Hausbockkäfer vor? Saarl. Bauernbl. 5. 1951, 28.
- Lentz, A. N., Preservative treatment of fence posts. Rutgers Univ. Ext. Serv., Coll. Agric., N. Brunswick, Leaflet nr. 4. 1951, 4 p., fig.
- Liese, J., Wie kann die Gebrauchsdauer imprägnierter Hölzer wesentlich verlängert werden? Technik 6. 1951, 223—225.
- Lindberg, N. J., Fenykviksilveracetatets användning för konservering av vat slipmassa. Pap. Puu, Papper Trä. 33. 1951, 83—84.
- Lindgren, R. M., Deterioration of southern pine pulpwood during storage. Prepr. Forest. Prod. Res. Soc. 161. 1951, 169—181, 17 fig.
- Löfken, Holzschutz in der Landwirtschaft — warum, wodurch, wie? Landw. Wochenbl. Westf., Lippe 108 A. 1951, 79—80, 119—120.
- Lüscher, M., Termiten und Holzschutz gegen Termiten. Holz 5. 1951, 10—12, 37—39.
- Lundbergh, H., Longer life for Swedish wood. Amer. Forests 57. 1951, nr. 2, p. 20—21.
- MacCaskie, G. T., Treated wood as used by a public utility. Proc. Amer. Wood Preserv. Assoc. 47. 1951, 197—203. — Wood Preserv. News 1951, 72.
- Maisenhelder, L. C., and McKnight, J. S., Fences for bottomland farms in the Delta. [preservative treatment] Forest Farmer 10. 1951, nr. 11, p. 5, 10—11. — Mississippi agric. Exp. Stât. Bull. 483. 1951, 17 p. — Mississippi Farm Res. 14. 1951, nr. 5, p. 3—5.

- Mann, R. H.**, Breukelen houses founded on creosoted piles. *Wood Preserv. News* 1951, 89—91.
- Mann, R. H.**, Overhead bridge on N. Y., N. H. and H. floored with creosoted plank. *Wood Preserv. News* 29. 1951, 40—41, 45.
- Mann, R. H.**, Why the Guantanamo Bay piles failed. *Wood Preserv. News* 1951, 101—106, 110.
- Matagrín, A.**, New methods for the protection of timber stocks. II. Fungicides and antisepsics recommendable for the protection of timber. *Rev. int. Bois* 16. 1951, nr. 161, p. 18—20.
- Meagher, G.**, Service record of wood posts in the Southwest (a progress report). *U. S. Forest Serv. southwest. Forest, Range Exp. Stat. Res. Notes* 120. 1951, 6 p.
- Mitchell, N. D.**, Fire tests of wood-framed walls and partitions with asbestos-cement facings. *U. S. nat. Bur. Standards Bldg. Mater., Struct. Rept.* 123. 1951, 14 p.
- Montgomery, W. L.**, Duquesne's wood pole program. *Elect. Light, Power* 29. 1951, nr. 2, p. 76—77, 131.
- Narayanamurti, D., Purushotham, A., Ranganathan, V., Jain, N. C., Pande, J. N., George, J., and Bist, B. S.**, Weathering trials on aircraft wings. [*Schizophyllum commune*] *Indian Forester* 77. 1951, 247—266, 296—312, 393—400, 77 fig., 14 tab.
- Nowak, A.**, Die Imprägnierung von Fichtenmasten durch ein neues Saftverdrängungsverfahren. *Österr. Forst-, Holz-, Wien*, 6. 1951, 42—43.
- Nowak, A.**, Die Imprägnierung von Schindeldächern. *Österr. Forst-, Holz-, Wien*, 6. 1951, 72—73.
- Nowak, A.**, Tränkvorschriften für Schwellen und Masten. *Komm.-Verl. G. Fromme & Co., Wien* [1951]. 31 S., Abb.
- Oostendorp, A.**, Die Bedeutung eines sachgemäßen Holzschutzes für den landwirtschaftlichen Betrieb. *Xylamon-Nachr.* 10. 1951, 2—8, 32 Abb.
- Pascoe, T. A., and Scheffer, T. C.**, Jack pine pulpwood deterioration in yard storage. *Pulp Paper Mag. Canada* 52. 1951, 184, 186, 189, 190, 193, 196—197, 4 fig.
- Patten, O. M.**, Penta treatment for fence posts. *Montana State Coll. Ext. Circ.* 195 (rev.). 1951, 4 p.
- Pauli, O.**, Auswaschbarkeit, Imprägnierverfahren und Eindringtiefe als Faktoren der Masten-Standdauer. *Elektr. Wirtsch.* 50. 1951, 62—65.
- Pehrson, St. O.**, Erfarenheter under år 1950 från användningen av organiska kvicksilverföreningar mot svampskador i slippmassa. (Während des Jahres 1950 gewonnene Erfahrungen in der Anwendung von organischen Quecksilberverbindungen gegen Pilzschäden am nassen Holzschnitt.) *Svenska Träförskn.-inst., Stockholm, Träkemi, Pappersteknik, Meddel.* 71. 1951, 7 p., 3 fig. — *Svensk Papp Tidn.* 54. 1951, 401—407, 4 fig.
- Perkitny, T., Wojciechowski, E., i Wnuk, M.**, Pękanie surowca bukowego, analiza przyczyn i sposobów zapobiegania. (Origination of shakes in beech logs, analysis of causes and means of prevention.) *Inst. Badawczy Leśn. Prace* 38. 1951, 59 p.
- Peterson, A.**, (Woodpeckers and poles.) *Skogen, Stockholm*, 38. 1951, 176.
- Price jr., C. W.**, You can make your own fence posts. [preservation] *Progr. Farmer (Mississippi-Arkansas-Louisiana Ed.)* 66. 1951, nr. 2, p. 122—123.
- Prochownik, S.**, (Beech crossties for railroads and methods for impregnating them, in particular the so-called frosted ones.) *Sylvan* 95. 1951, 343—357.
- Prokopp, S.**, Warum imprägnieren wir die Eichen-schwelle? *Int. Holzmarkt, Wien*, 42. 1951, Nr. 8, S. 21—22.
- Richards, I. T.**, Creosoted Douglas fir (*Pseudotsuga taxifolia*) plywood pontoons for marine use. *Wood Preserv. News* 29. 1951, 134—136, 144.
- Rößler, P.**, Die Bedeutung der Holzimprägnierung für den Erwerbsgartenbau. *Erde u. Ernte, Schwarzenberg*, 6. 1951, Nr. 1, S. 2—3, 2 Abb.
- Roonwal, M. L., and Chatterji, P. N.**, The control of the Indian bookworm beetle, *Castrallus indicus* Reitter (Col. Anobiidae), by the heat treatment, together with observations on the post-treatment viability of the larvae. *Indian Forester* 77. 1951, nr. 6.
- Rothwell, W.**, Preservation of railway sleepers. *Brit. Wood Preserv. Assoc. Rec.* 1951, 105—128.
- Saks, E. V.**, Log harvesting methods affect quality of veneer. *Veneers and Plywood* 45. 1951, nr. 12, p. 16—17.
- Scala, A.**, La conservazione del legno in rapporto al suo impiego nei vari rami della costruzione e dell'artigianato. (Wood preservation in relation to its use in various branches of construction and industry.) *Chimica, Firenze*, 6. 1951, 246—250.
- Scheffer, T. C., and Zabel, R. A.**, Storage of beech logs and bolts in the Northeast. *Northeast. Forest. Exp. Stat., Beech Utiliz. Ser.*, 2. 1951, 13 p., 5 fig.
- Schempp, K.**, Erforderliche Holzschutzmaßnahmen im Bauwesen und auf anderen Wirtschaftsgebieten. *Werkstoffe u. Korrosion* 2. 1951, 51—54.
- Schimitschek, E.**, Die Bedeutung des Befalles von Nutzholz durch Holzwurm und seine Verhütung. *Int. Holzmarkt* 42. 1951, Nr. 24, S. 2—3.
- Schlittler, J.**, Der Hausschwamm, eine Gefahr unserer Wohnungen. *Leben u. Umwelt* 8. 1951, 25—30.
- Schmidt, H.**, Holzbau und Termitenschutz. *Dtsch. Holzbau* 7. 1951, 23—24.
- Schmidt, H.**, Holzimport und Schädlingsfragen. *Holz-zentralblatt* 77. 1951, 1218.

- Schmitt, J. B., Wood boring insects in the home. New Jersey agric. Exp. Stat. Circ. 543. 1951, 16 p.
- Scholles, W., Hausbockgefahr — erst jetzt erkannt? Schreinerhandwerk, Augsburg, 3. 1951, Nr. 1, 2 S.
- Schuch, K., Untersuchungen über den quantitativen Nachweis der Feuerschutzmittel auf Phosphatbasis. Holzforschung 5. 1951, 74—80.
- Schulze, B., Intensive Schutzbehandlung stehender Masten aus Kiefernholz durch Trogtränkung nach vorangehender Erwärmung durch hochfrequenten Strom. Elektrizitätswirtschaft 50. 1951, 66—68.
- Schulze, B., und Theden, G., Versuche mit einigen Schutzstoffen gegen das Verblauen von Werkholz. Holz als Roh- u. Werkstoff 9. 1951, 53—55.
- Selbo, N. L., Glueing of treated wood. South. Lumberman 185. 1951, nr. 2280, p. 46—54.
- Silverborg, S. B., Wood decay in houses. New York State Coll. Forestry, Syracuse, U. Bull. 24. 1951, nr. 1, 19 p.
- Sisley, C., The increase in infestations of the furniture beetle (*Anobium punctatum*). Timber News 59. 1951, 428—429.
- Spiller, D., Note on susceptibility of *Pinus radiata* D. Don timber to attack by the common house borer *Anobium punctatum* De Geer. New Zealand J. Sci., Techn. (Sect. B) 32. 1951, nr. 5, p. 38—39.
- Stacey, W. A., Covered bridge restored with treated timber. Wood Preserv. News 29. 1951, 51—52, 58.
- Stacey, W. A., Treated timber trestles on Kansas City southern lines. Wood Preserv. News 29. 1951, 24—25.
- Stacey, W. A., Treated wood posts in military construction. Wood Preserv. News 29. 1951, 114—115, 119—120.
- Steiner, D., Ergebnisse eines Versuches mit nicht-imprägnierten und imprägnierten Eisenbahnschwellen aus Buchenholz verschiedener Fällzeit. Schweiz. Ztschr. Forstwesen 102. 1951, 64—69.
- Theden, G., Schwammgefahr bei Verwendung von Trümmaterial. Haus u. Wohnung 6. 1951, 224—225.
- Theden, G., Über die Möglichkeit einer Schwammübertragung durch Trümmersplittbeton. Ziegelsplitt Nr. 4. 1951, 19—21 (Beil. Bauwirtschaft 5. 1951).
- Titus, R. T., Dry rot is an easy enemy to lick; wood-destroying fungi are quickly routed via prevention, treatment. Sunday Oregonian, Farm, Home, Gard. March 1951, 18.
- Tuovinen, A., The quality and preserving of cut timber requires more attention. Teho 1951, nr. 1, p. 16—23.
- Vanin, S. I., (Wood preservation under various storage conditions.) Priroda 40. 1951, nr. 4, p. 87—89.
- Van Marle, G. S., Spintbestrijding met moderne insecticiden in de Aalsmeerse bloementeelt. Diss. Wageningen 1951.
- Verdcourt, B., DDT impregnated paper. Entomologist's monthly Mag. 87. 1951, 53—55.
- Verrall, A. F., Permanence for wood siding. [decay protection] U.S. Dept. Agric. Bur. Plant Ind., Soils, agric. Engin., Forest Path. Spec. Release 36. 1951, 7 p.
- Walters, C. S., and Kulp, D. A., Report on project 301-A. Preservative treatment of fence posts by cold-soaking in pentachlorophenol-fuel-oil solutions. Illinois agric. Exp. Stat. Forestry Note 20. 1951, 4 p.
- Walters, C. S., and Kulp, D. A., Report on project 301-C. Preservative treatment of fence posts with toxic oil solutions by cold-soaking, dipping, and brushing. Illinois agric. Exp. Stat. Forestry Note 21. 1951, 3 p.
- Walters, C. S., Kulp, D. A., and Fox, H. W., Treatment of hardwood fence posts by brushing with osmosar preservative. Illinois agric. Exp. Stat. Forestry Note 22. 1951, 3 p.
- Walters, C. S., and Meek, W. L., The cold-soak preservative treatment of eastern red cedar. [fence posts] Illinois agric. Exp. Stat. Forestry Note 27. 1951, 1 p.
- Walters, C. S., and Meek, W. L., The cold-soak preservative treatment of sassafras posts. Illinois agric. Exp. Stat. Forestry Note 26. 1951, 1 p.
- Walters, C. S., and Meek, W. L., Preservative treatment of fence posts by cold-soaking in pentachlorophenol-fuel-oil solutions. Report on project 301-A. Illinois agric. Exp. Stat. Forestry Note 28. 1951, 4 p.
- Walters, C. S., and Meek, W. L., Preservative treatment of fence posts with toxic oil solutions by cold-soaking, dipping, and brushing. Report on project 301-C. Illinois agric. Exp. Stat. Forestry Note 29. 1951, 3 p.
- Wanin, S. J., Über die Erhaltung des Holzes unter verschiedenen Aufbewahrungsbedingungen. Priroda 40. 1951, 87—89.
- Webb, V. M., Mildew growths on building surfaces. Build. Top. 5. 1951, nr. 3, p. 12—14.
- Weidner, H., Die Ausbreitung der Termiten *Reticulitermes flavipes* Kollar in Hamburg. 9. int. Congr. Ent., Amsterdam, 11. 1951, 6.
- Winternitz, O., Das Märchen »Schwammgefahr durch Trümmerverwertung« wissenschaftlich widerlegt. Ziegelsplitt Nr. 7. 1951, 44 (Beil. Bauwirtschaft Nr. 38. 1951).
- Wohletz, E., and Burlison, V., Cold-soak wood preservation. Idaho agric. Coll. Ext. Bull. 187. 1951, 20 p.
- Woods, R. P., Examination of marine borer experiment at Shoreham harbour. T. D. A. Q. Rev. 3. 1951, nr. 2, p. 11—16.

Zimmermann, W., Zur Praxis der Hausbockbekämpfung.
Holz 5. 1951, 239—240.

Another composite deck overpass built by Milwaukee railroad (Wis.). Wood Preserv. News 1951, 84.

Creosoted sheet piles provide effective flood barrier.
Wood Preserv. News 1951, 117, 121.

Cryptogils-xylophènes pour le traitement des bois contre la méréule, champignon destructeur des maisons. Soc. Xylochim., Lyon 1951? 23 p.

A diagnostic key to the more common structural wood-destroying pests of the Pacific Coast. Pest Control 19. 1951, nr. 2, p. 26.

Erläuterungen zum Merkblatt über baulichen Holzschutz. Dtsch. Ges. Holzforsch. Merkh. 1 (Holzforschungsverlag, Stuttgart). 1951?, 2. Aufl., 40 S., 6 Abb.

Furniture beetles (Anobiidae, Lyctidae), their life-history and how to check or prevent the damage caused by the worm. Brit. Mus. (nat. Hist.), London 1951, 34 p.

Grundlagen des chemischen Holzschutzes für den Architekten. Xylamon-Nachr. 10. 1951, 2—8, 18 Abb.

Holzschädlingstafeln: Merulius lacrymans (Wulf.) Schum. ex Fries. Holz als Roh- u. Werkstoff 9. 1951, 251—252.

Holzschutz im Bergbau. Dtsch. Ges. Holzforsch. Merkh. 5 (Holzforschungsverlag, Stuttgart). 1951, 2. Aufl., 40 S., 12 Abb.

Holzwurmsuchgerät »Detektiv«, ein neues Hilfsmittel der Holzindustrie. Umschau 51. 1951, 219, 2 Abb.

Nouvelles méthodes de protection des bois d'oeuvre. Rev. int. Bois, Paris, 18. 1951, 13—14, 17.

Pressure treated poles in playground structure. Wood Preserv. News 1951, 125—126.

Richtlinien für Holzschutzmaßnahmen bei Bauvorhaben in Berlin, die aus öffentlichen Mitteln (Haushalts-, ERP-, GARIOA-Mitteln u. dgl.) finanziert werden. Dienstbl. Senat Berlin, Teil 4. 1951, 29—30.

Treated pine posts will last. Oregon State Coll. Ext. Circ. 541. 1951, 6 p.

Verordnung über die Imprägnierung des im Freien zur Verwendung gelangenden Holzes. Holzindustrie 4. 1951, 388—389.

Verzeichnis der Feuerschutzmittel für Holz. Brandschutz 5. 1951, 232.

Werden Torrfaserplatten von fäulnisserregenden Pilzen befallen? Holz-Zentralbl. 77. 1951, 721.

Wie kann die Gebrauchsdauer imprägnierter Hölzer wesentlich verlängert werden? Dtsch. Technik 6. 1951, 223—225.

h. Textilien **Textiles — Textiles**

Abelson, S. M., und Henderson, A. T., Moth ball poisoning. [naphthalene] U.S. Armed Forces med. J. 2. 1951, 491—493.

Angelini, A., Note sur *Heliothis armigera* et sa sensibilité au DDT. Coton, Fibres trop., Paris, 6. 1951, 193—196.

Basu, S. N., und Ghose, S. N., (Nachweis und Bestimmung der Schädigung in Jutefasern. 2. Mitt. Bestimmung von Pilzschäden an kleinen Fasermengen.) J. Textile Inst. 42. 1951, 1—5.

Blackaller, V. A., Insecticidas para el control de las plagas del algodón. Fitófilo 5. 1951, nr. 3, p. 4—13.

Bogossowski, B. M., und Raichlin, F. I., (Mottengifte und ihre Bedeutung.) (Text.-Ind.) 11. 1951, Nr. 5, S. 31—35.

Buzacott, J. H., *Rhyparida discopunctulata* attack on jute. J. austr. Inst. agric. Sci. 17. 1951, 214—215, 1 fig.

Cutkomp, L. K., Control of clothes moths and carpet beetles (*Anthrenus scrophulariae*). Minnesota Univ. agric. Ext. Folder 89 (rev.). 1951, 8 p.

Da Silva, S. G., (Supplying of insecticides for protection of cotton production.) Agr. São Paulo 1. 1951, nr. 4, p. 28—29.

Day, M. F., Studies on the digestion of wool by insects. I. Microscopy of digestion of wool by clothes moth larvae. (*Tineola bisselliella* Humm.). III. A comparison between the tracheation of the midgut of *Tineola* larvae and that of other insect tissues. Austr. J. sci. Res. (ser. B) 4. 1951, 42—48, 64—76.

Drapal, »Eulan«, seine Anwendung und Bedeutung. [Kleidermotte] Textil-Praxis 6. 1951, 443—444.

Elting, J. P., Cavitoma-krankte Baumwollhaare. Science n. ser. 113. 1951, 297—300.

Falcone, M. A., Durable finishes for defeating the moth. [clothes moth control] Pract. Home Econ. 29. 1951, 270, 287.

Flock, R. A., Damage to household goods by the fan palm caterpillar. [*Litoprosopus coachellae*] J. econ. Ent. 44. 1951, 260—261.

Foulon, A., Neuzeitliche Mottenbekämpfung. Reyon Synthetica Zellwolle 29. 1951, 330.

Franzen, R., und Paddock Hess, K., (Die Wirksamkeit einiger mottenbeständig ausgerüsteter, besonders ausgewählter Wollgewebe und ihre Beständigkeit gegen Licht und Reinigung.) J. Home Econ. 43. 1951, 362—367.

Ghosh, T., Basak, M., und Kundu, B. C., Effect of insolation and chemical treatment in relation to storing of jute seeds. [*Macrophomina phaseoli* on *Corchorus capsularis* and *C. olitorius*] Indian Phytopath. 4. 1951, 38—44.

- Hall, L. T., and Elting, J. P., Cavitomic cotton. A progress report. Textile Res. (J.), Lancaster, 21. 1951, 580—590, 27 fig., 3 tab. geogr.
- Hase, A., Irrwege der Mottenbekämpfung. Schädling-bekämpfung 43. 1951, 150—153, 3 Abb.
- Hase, A., Wollschäden und Dauerschutz der Wolle durch »Eulan«-Behandlung. 30jährige Untersuchungen an der Biologischen Reichsanstalt Berlin-Dahlem. Mitt. Biol. Zentralanst. Berlin-Dahlem H. 72. 1951, 56 S., 14 Abb.
- Havelka, J., *Dermestes maculatus pakistanicus* ssp. n. zavlečený z Pakistanu do ČSR. (*Dermestes maculatus pakistanicus* ssp. n. introduced from Pakistan to ČSR.) [on manufacturing yute] Ent. Listy (Folia ent.), Brno, 14. 1951, 143—144, 2 fig.
- Hoyt, A. S., Relation of the Bureau of Entomology and Plant Quarantine to the cotton industry. Cotton Gin, Oil Mill Press 52. 1951, nr. 5, p. 20, 22.
- Kemper, H., 30 Jahre Textilschutz durch Eulan. Schädling-bekämpfung 43. 1951, 197—198.
- Lamb, K. P., The assessment of mothproofing efficiency. New Zealand J. Sci., Techn. (B) 32. 1951, nr. 4, p. 8—14, 2 fig.
- Leonard, J. M., and Pitman, A. L., Tropical performance of fungicidal coatings. A statistical analysis. Ind. engin. Chem. 43. 1951, 2338—2341, 1 fig.
- Lotmar, R., Untersuchungen über die Wirkung des Mitins auf die Raupen der Kleidermotte (*Tineola biselliella*). Melland Textilber. 32. 1951, 68—70.
- Mallo, R. G., Dos parásitos perjudiciales para la torta de algodón almacenada. [*Lasioderma serricorne*, *Tribolium confusum*] Res, Buenos Aires, 19. 1951, 26017.
- Meuse, A. D. J., Mothproofing from the entomological point of view. Nat. Fiber Res. Inst., Delft (Holland) 1951. 45 p., 4 fig.
- Misra, J. N., Assessment of effectiveness of jute sacking treated with insecticides against insects. [*Tribolium castaneum*, *Sitophilus oryzae*] J. sci., ind. Res. 10 B. 1951, 67—72.
- Möller, H., Einige physikalisch-chemische Grundlagen zur Anwendung und technischen Verarbeitung von Mottenbekämpfungsmitteln. Seifen-Öle-Fette-Wachse 77. 1951, 267—270, 293—295.
- Nopitsch, M., Bakterielle Schäden an Textilien und ihre Verhütung. II. Melland Textilber. 32. 1951, 344—346.
- Saenger, G., (Mothproofing of wool.) Fibre e Colori 1. 1951, nr. 2, p. 5—14.
- Siu, R. G. H., Microbial decomposition of cellulose. [cotton textiles] Reinhold Publ. Corp., New York, and Chapman & Hall, Ltd., London 1951. XI + 531 p., 137 fig.
- Snelson, J. T., Mothproofing today. Textile J. Austr. 26. 1951, 620—623.
- Sookne, A. M., Bogaty, H., and Harris, M., The felting of shrink-resistant wool as related to some properties of the single fiber. Textile Res. (J.), Lancaster, 21. 1951, 827—830.
- Steininger, Mottenbekämpfungsmittel im jetzigen Kleinhandel. Seifen-Öle-Fette-Wachse 77. 1951, 533—534.
- Toczydlowski, A. H., and Moore III, St., Prevention and eradication of wool pests with continuously dispersed insecticides. J. econ. Ent. 44. 1951, 1016—1017.
- Wegener, W., and Questel, R., Untersuchungen über die Ursache der Zerstörung von nativen Faserstoffen durch Mikroorganismen. I—V. Melland Textilber. 32. 1951, 346—349, 493—499, 15 Abb., 670—674, 6 Abb., 817—820, 3 Abb.
- Wilde, H. E., Moths on the move. [clothes moths and *Anthrenus scopulariae*] Forecast Home econ. 67. 1951, nr. 4, p. 22—23, 50—51.
- Clothes moths and house moths, their life-history, habits, and control. Brit. Mus. (Nat. Hist.) Econ. Ser., 14 (5 Ed.). 1951, 28 p.
- Tentative methods of test for resistance of textiles to insect pests. Chem. Spec. Manufact. Assoc. Proc. 38. 1951, 100—102.

i. Varia

- Bellavite, F., (Control of grain and legume pests in storage.) Inform. Agr. (ital.) 7. 1951, nr. 15, p. 4—5.
- Brunet, P. C. J., The formation of the ootheca by *Periplaneta americana*. I. The micro-anatomy and histology of the posterior part of the abdomen. Quart. J. microsc. Sci. 92. 1951, 113—127.
- Cutkomp, L. K., How to control cockroaches. Minnesota Univ. agric. Ext. Folder 82. 1951, 4 p.
- Darchen, R., Sur le géotropisme de *Blattella germanica*. Compt. rend. Soc. Biol., Paris, 145. 1951, 380—381.
- Day, M. F., The mechanism of secretion by the salivary gland of the cockroach *Periplaneta americana* (L.). Austr. J. sci. Res. 4. 1951, 136—143.
- Eisa, E. A., The behaviour of cockroach (*Periplaneta americana*) towards the different food materials. Euclides 11. 1951, 130—131.
- Eisa, E. A., A simple olfactometer successfully used for cockroaches (*Periplaneta americana*). Euclides 11. 1951, 347—348.
- Fales, J. H., Bodenstein, O. F., and Piquett, P. G., A method for testing aerosols against cockroaches. U. S. Dept. Agric. Bur. Ent., Plant Quar. ET-297. 1951, 6 p.
- Fernando, H. E., Roan, C. C., and Kearns, C. W., The penetration, distribution and metabolism of organic phosphates in the American roach, *Periplaneta americana* (Linn.). Ann. ent. Soc. Amer. 44. 1951, 551—565.

- Griebel, C.**, Durch Pilzbefall verdorbene Cocosnüsse. Ztschr. Lebensm.-Untersuch. u. -Forsch. 92. 1951, 184—185.
- Habmann, K.**, und **Müller, H. W. K.**, Lästige Staubläuse in Kräutertees und Drogen. Drogisten-Mitt. Juni 1951, 1 S.
- Harvey, G. T.**, and **Brown, A. W. A.**, The effect of insecticides on the rate of oxygen consumption in *Blattella* (germanica). Canad. J. Zool. 29. 1951, 42—53.
- Hassett, C. C.**, Transformation of hexosephosphates by the cockroach. Fed. amer. Soc. exp. Biol. Fed. Proc. 10 (1, pt. 1). 1951, 61 (Abstr.).
- Helm, R. W.**, Cockroaches or waterbugs. Nebraska agric. Coll. Ext. E. Circ. 1565. 1951, 4 p.
- Howe, R. W.**, Studies on beetles of the family Ptinidae. V. The oviposition rate of *Ptinus tectus* Boield. under natural conditions. Bull. ent. Res. 42. 1951, 445—453, 1 fig.
- Howe, R. W.**, and **Burges, H. D.**, Studies on beetles of the family Ptinidae. VI. The biology of *Ptinus fur* (L.) and *P. sexpunctatus* Panzer. Bull. ent. Res. 42. 1951, 499—511, 4 fig., 1 tab.
- Incho, E. J.**, A study of ratios of pipernoyl butoxide and pyrethrins for the control of German cockroaches (*Blattella germanica*). Chem. Spec. Manufact. Assoc. Proc. 38. 1951, 95—96.
- Krzanowski, A.**, The number of segments forming the head of the cockroach (*Periplaneta orientalis* L.). Compt. rend. Akad. Umiej. Wydz. Mat.-Przyrodniczy 3—4. 1951, 26.
- Lafon, M.**, Essais sur l'alimentation d'un insecte: *Blatta orientalis* L. Physiol. Compar., Oecol. 2. 1951, 224—240.
- Lawson, F. A.**, Structural and insecticidal studies of cockroach egg capsules. Ohio State Univ. Abs. Doct. Diss. 61. 1951, 243—246.
- Lawson, F. A.**, Structural features of the oothecae of certain species of cockroaches (Orthoptera, Blattidae). Ann. ent. Soc. Amer. 44. 1951, 269—285.
- Lheritier, G.**, Blattes et grillons. Entomologiste 7. 1951, 29—30.
- Marsland, H.**, The cockroach [physiology and control in bakeries]. Arkady Rev. 28. 1951, 54—56.
- Miller, A. C.**, **Mallis, A.**, and **Sharpless, R. V.**, Aerosol evaluation against house flies and cockroaches. Chem. Spec. Manufact. Assoc. Proc. 38. 1951, 44—48.
- Monvoisin, A.**, Le traitement frigorifique des fruits et des légumes. Dunod, Paris 1951. 126 p., 54 fig.
- Müller, F. P.**, Obst- und Kartoffellagerung. Kleingärtner u. Siedler 5. 1951, 150—151.
- Noland, J. L.**, and **Baumann, C. A.**, Protein requirements of the cockroach *Blattella germanica* (L.). Ann. ent. Soc. Amer. 44. 1951, 184—188.
- Princis, K.**, Kleine Beiträge zur Kenntnis der Blattarien und ihrer Verbreitung. IV. Opusc. Ent. 16. 1951, 89—93.
- Reese, E. T.**, and **Downing, M. H.**, Activity of the Aspergilli on cellulose, cellulose derivatives, and wool. Mycologia, Lancaster, 43. 1951, 16—28.
- Ricci, M.**, (Note on the biology of *Blatta orientalis* L. (at different temperatures).) Rend. Ist. Super Sanit. 15. 1951, 259—270.
- Roeder, K. D.**, and **Weiant, E. A.**, The effect of concentration, temperature, and washing on the time of appearance of DDT-induced trains in sensory fibers of the cockroach. Ann. ent. Soc. Amer. 44. 1951, 372—380.
- Savary, A.**, Les teignes ou vers des bouchons. Rev. rom. Agric., Vitic., Arboric. 7. 1951, 49—50, 2 fig.
- Thompson, H.**, **Cecil, S. R.**, and **Woodroof, J. G.**, Storage of edible peanuts. Georgia agric. Exp. Stat. Bull. 268. 1951, 43 p.
- The cockroach: its life-history and how to deal with it.** Brit. Mus. (Nat. Hist.), econ. Ser., 12 (5. Ed.). 1951, 26 p.

12. Krankheiten nicht kultivierter Pflanzen und der Kryptogamen Diseases of uncultivated plants and cryptogams Maladies des plantes non cultivées et des cryptogames

- Ark, P. A.**, Occurrence of crown gall on yarrow. [Achillea] Plant Dis. Reprtr. 35. 1951, 42.
- Baker, K. F.**, and **Davis, L. H.**, An unusual occurrence of sclerotia of *Sclerotinia* spp. with seed of *Centaurea cyanus*. Plant Dis. Reprtr. 35. 1951, 39—41, 1 fig.
- Bernaux, P.**, Septoriose (*Septoria cravensis* n. sp.) du *Teucrium cravense* Maire, Mol. et Tal. Rev. Mycol. 16. 1951, 209—212.
- Bovien, P.**, Angreb af nematoder (*Ditylenchus* sp.) paa champignonsmycel. (Nematodes (*Ditylenchus* sp.) attacking mushroom spawn.) Maanedsovers. Plan-tesygd., København, nr. 316. 1951, 10.
- Brauns, A.**, Eine Buckelfliege als Schädling in Champignonkulturen. [Megaelia nigra] Gartenwelt 51. 1951, 166.
- Bryan, W. C.**, Bacterial rot of giant Cactus (*Cereus giganteus*). Plants and Gard. 7. 1951, 146—148.

- Canter, H. M., Fungal parasites of the phytoplankton. II. (Studies on British Chytrids. XII.) Ann. Bot., London, n. ser. 15. 1951, 129—156.
- Canter, H. M., and Lund, J. W. G., Studies on plankton parasites. III. Examples of the interaction between parasitism and other factors determining the growth of Diatoms. Ann. Bot., London, n. ser. 15. 1951, 359—372, 4 fig., 2 tab.
- Cordón, F. M., Nuevos síntomas en el «dock mosaic» causados por el «rume virus 1». Microbiol. españ. 4. 1951, 109—114, 12 fig.
- D'Aguiar, J., et Ventura, E., Les ennemis animaux des champignons de couche (I). Jardins France 125. 1951, 69—83, fig.
- Franeke-Grosman, H., Über ein nördliches Vorkommen der Farnblattwespe *Blasticotoma filiceti* Klug. Ent. Tidskr. 72. 1951, 81—82.
- Goldie-Smith, E. K., A new species of *Sorodiscus* on *Pythium*. [*Sorodiscus cokeri* n. sp.] J. Elisha Mitchell sci. Soc. 67. 1951, 108—121, 2 tab.
- Goto, S., and Gibler, J. W., A leaf gall forming nematode on *Calamagrostis canadensis* (Michx.) Beauv. Plant Dis. Repr. 35. 1951, 215—216, 1 fig.
- Jefferson, R. N., Octamethyl pyrophosphoramidate and a trialkyl thiophosphate for control of aphids on *Centaurea cyanus*. [*Aphis helichrysi*] J. econ. Ent. 44. 1951, 1021—1022.
- Jehle, R. A., and Jenkins, A. E., Two instances of wild violets recently infected by *Sphaceloma violae*. Plant Dis. Repr. 35. 1951, 414.
- Kul'tiasov, M. V., (Drought resistance of dog roses on the Kopet Dagh (ridge).) [*Rosa canina*] Glav. Bot. Sad. Trudy 2. 1951, 159—167.
- Mellini, E., (Observations on some insects on *Carlina acaulis* L. f. *caulecens* Lam.) Bologna Univ. Ist. Ent. Bol. 18. 1951, 205—244.
- Myers, W. M., Registration of varieties and strains of Bermuda grass (*Cynodon dactylon* (L.) Pers.) [disease resistance] Agron. J. 43. 1951, 240.
- Nickell, L. G., Effect of certain dyes on the growth in vitro of virus tumor tissue from *Rumex acetosa*. Bot. Gaz. 112. 1951, 290—293.
- Ossiannilsson, F., On the psyllid of the marsh marigold, *Aphalara calthae* (Linn.). Finska Vetensk. Soc. Comm. Biol. 12. 1951, nr. 13, 8 p.
- Prasada, R., Rusts on wild grasses. Curr. Sci., Bangalore, 20. 1951, 243.
- Pritchard, A. E., The fern mite (*Hemitarsonemus tepidarium*), a newly recognized pest on California ferns readily controlled by treatment with proper chemicals. Calif. Agric. 5. 1951, nr. 7, p. 10.
- Reynolds, H. W., and Sleeth, B., Root-knot nematode on canaigre. [*Meloidogyne incognita* Kofoid et White on *Rumex hymenosepalus* Torr.] Plant Dis. Repr. 35. 1951, 9, 1 fig.
- Savile, D. B. O., *Peronospora stigmaticola* in Canada. [on *Mentha arvensis* var. *villosa*] Mycologia, Lancaster, 43. 1951, 113—114.
- Săvulescu, T., Specile de *Puccinia* parazite pe *Cyperaceae* din R.P.R. (Species of *Puccinia* parasitic on *Cyperaceae* in the R.P.R.) Bul. sti. Acad. Republ. rom. 3. 1951, nr. 1, 24 p.
- Seinhorst, J. W., en Bels, P. J., *Ditylenchus destructor* Thorne 1945 in champignons. Tijdschr. Plantenziekten 57. 1951, 167—169.
- Sharma, O. P., and Mahmud, K. A., A leaf rot of *Mentha viridis* Linn. caused by *Rhizoctonia solani* Kuhn. Mag. agric. Coll. Nagpur 25. 1951, nr. 3—4, p. 23.
- Shaw, D. E., A *Septoria* disease of *Euphorbia peplus* L. Linn. Soc. New South Wales Proc. 76. 1951, 7—25.
- Storey, I. F., Overheating helps olive green mould. [*Chaetomium olivaceum* on mushrooms] Grower, London, 36. 1951, 969, 971.
- Suminoe, K., and Nakajima, E., (The fungi which spoil the seed culture of *Cortinellus edodes*.) [*Trichoderma lignorum*] J. agric. chem. Soc. Japan 25. 1951, nr. 1, p. 26—27.
- Tarjan, A. C., and Ferguson, M. H., Observation of nematodes in yellow tuft of bentgrass. USGA J., Turf Mangt. 4. 1951, nr. 2, p. 28—30.
- Thirumalachar, M. J., and Lacy, R. C., A leaf spot disease of *Panicum repens*, incited by a phycomycetous parasite. [*Petersenia panicola* n. sp.] Mycopath., Mycol. appl. 6. 1951, 72—75.
- Thomas, C. A., and Mitchell, G. H., Eelworms (nematodes) as pests of mushrooms. MGA Bulletin 22. 1951, 61—71.

IV. Maßnahmen des Pflanzenschutzes

Measures of plant protection

Principes de la protection des plantes

Allgemeiner Teil

General part — Partie général

- Böning, K.**, Gibt es im Pflanzenschutz eine Krise? Pflanzenschutz, München, 3. 1951, 122—125.
- Colberg, W. J., and Munro, J. A.**, Garden pest control guide. North Dakota agric. Coll. Ext. Circ. A—155. 1951, 6 p.
- Di Lauro, B.**, Trattamenti estivi ed invernali contro i nemici delle piante coltivate. Giorn. Ital. agric. 36. 1951, nr. 49, p. 3.
- Gaßner, G.**, Steht der Pflanzenschutz vor einer Krise? Nachr.bl. dtsh. Pfl.schutzd., Braunschwg., 3. 1951, 81—83.
- Haller, H. L., Magness, J. R., Clausen, C. P., Lovvorn, R. L., y Boswel, A. R.**, Extirpación de plagas de insectos, enfermedades de las plantas y malas hierbas. Inter-amer. Conf. Agric. Trab. Téc. 4. 1951, 225—231.
- Lebs, H.**, Vorteile und Gefahren des Pflanzenschutzes. Hannov. land- u. forstw. Ztg. 104. 1951, 941—942.
- Lindfors, Th.**, (News about plant protection.) [diseases and pests] Svensk Jordbr.forskn. 1951, 122—128.
- Magie, R. O.**, Superstition out in crop care; entomology, plant pathology vast aid to farmers. Florida Grower 59. 1951, nr. 12, p. 22—23.
- Osuna, P.**, Métodos prácticos para reprimir las hormigas en las hortalizas y árboles frutales. Pecuaria, Colon. Almanaque Agr. Repúbl. Dominicana 1950? 1951, 64—65.
- Pfrang, S.**, Sortenfrage. Bad. landw. Wochenbl. 118. 1951, 121—122, 2 Abb.
- Poljakow, J. M.**, (Pflanzenschutzwissenschaft in der Sowjetunion.) Congr. int. Fitopat., Ent., Prot. Plant. (russ.) 2. 1951, 309—331.
- Quanjer, H. M.**, Natural means of crop protection. Int. Congr. Crop Prot. Proc. 2 (1949). 1951, 362—364.
- Reisinger, E.**, Grenzen des Pflanzenschutzes. Pflanzenschutz, Wien, 4. 1951, Nr. 8, S. 2—4.
- Richter, H.**, Pflanzenschutz. In: »Führer durch die Grüne Woche«, Berlin, 3.—11. 2. 1951, 33—34.
- Schaper, P.**, Die Pflanze als Patient. Umschau 51. 1951, 585—586, 1 Abb.
- Schlumberger, O.**, Steht der Pflanzenschutz in einer Krise? Nachr.bl. dtsh. Pfl.schutzd., Berlin, NF. 5. 1951, 161—163.
- Schmidt, H.**, Pflanzenschutz in der Gärtnerei. Landw. Wochenbl. Kurh. u. Waldeck 166. 1951, 137.
- Schrader, W.**, Warum enttäuschten Pflanzenschutzmaßnahmen? Hannov. land- u. forstw. Ztg. 104. 1951, 1133.
- Sellke, K.**, Der Pflanzenschutz und die landwirtschaftliche Praxis. Nachr.bl. dtsh. Pfl.schutzd., Berlin, NF. 4. 1951, 96—101.
- Venkatarayan, S. V.**, Plant sanitation as an aid to plant protection. Mysore agric. J. 26. 1951, 60—63.
- Wahlin, B.**, (Plant protection in Ostergötland; a survey of the year 1950.) Lantmannen 35. 1951, 10—11.
- Yézou, N.**, La lutte contre les ennemis des cultures. Cours Agric. Finistère 2. 1951, nr. 5, p. 10—24.
- La défense des cultures est-elle affaire de spécialistes?** Phytoma, Paris, 4. 1951, nr. 31, p. 7—8.
- Mise en garde.** Rev. rom. Agric., Vitic., Arboric. 7. 1951, 23.
- Plant protection in India.** Imp. chem. Ind., Calcutta 1951. 100 p.

1. Pflanzenhigiene

Plants hygiene — Hygiène des plantes

a. Einfluß der Umgebung, insbesondere des Klimas, auf Pflanzenkrankheiten: Phänologie der Parasiten

Environment influences, specially of the climate, on plant diseases: phenology of parasites

Influence du milieu extérieur, surtout du climat, sur les maladies des plantes: phénologie des parasites

Arzt, Th., Mikroklimatische Untersuchungen über Windschutz in einem Kulturpflanzenbestand. Phyton (Horn, N.-Oesterr.) 2. 1950, 157—181. — Meteorol. Rdsch. 4. 1951, 28—29.

Baker, K. F., Moisture and diseases. Control of humidity important factor in reducing crop losses. Florists' Rev. 108. 1951, nr. 2798, p. 15—16, 46—51, 1 fig.

Berkner, E., Die Beziehungen zwischen Pflanzenbau und Witterungsablauf. Ztschr. Acker- u. Pfl.bau 93. 1951, 22—32.

Bortels, H., Krankheit, Wetter und Strahlung. Mitt. Biol. Zentralanst., Berlin-Dahlem, H. 70. 1951, 11—14, 1 Abb.

Bullrich, K., Frühjahrstemperaturen und Apfelblütenstecherbekämpfung. Neue Mitt. Landw., Hannover, 6. 1951, 139—140, 1 Abb.

Edelmann, I. M., (Der Einfluß niedriger Temperaturen auf die Käfer aus der Familie der Dunkelkäfer (Tenebrionidae). (Ent. Übersicht), Moskau u. Leningrad, 31. 1951, 374—385, 3 Abb.

Geigy, R., und Ernst, E., Einfluß der Luftfeuchtigkeit auf die Lebensdauer verschiedener Termitenarten im Hungerversuch. Rev. suisse Zool. 58. 1951, 414—420.

Hough, J. S., The effect of wind on the distribution of Cynipid galls caused by Neuropterus lenticularis Olivier. J. anim. Ecol. 20. 1951, 165—168.

Johnson, C. G., The roles of population level, flight periodicity and climate in the dispersal of Aphids. 9. int. Congr. Ent., Amsterdam, 6. 1951, 5.

Jones, E. W., Laboratory studies on the moisture relations of Limonius (Coleoptera; Elateridae). Ecology 32. 1951, 284—293.

Keck, Ch. B., Effect of temperature on development and activity of the melon fly. [Dacus cucurbitae] J. econ. Ent. 44. 1951, 1001—1002.

Marzusch, K., Untersuchungen über die Temperaturabhängigkeit von Lebensprozessen bei Schadinsekten unter besonderer Berücksichtigung winterschlafender Kartoffelkäfer (Leptinotarsa decemlineata). Mitt. Biol. Zentralanst., Berlin-Dahlem, H. 70. 1951, 131—132.

Mori, Sh., (On the effect of sunlight upon the antagonistic action of Actinomyces to plant fungi.) (Forsch. Pfl.krankh.), Kyoto, 4. 1951, 129—132.

Nishizawa, T., (On the resistance to the temperature of Fusarium solani (Mart.) App. et Wr.) Ann. phytopath. Soc. Japan 15. 1951, 141—142.

Nomura, K., (Meteorological consideration on the outbreak type of agricultural insect pests in Japan.) Oyo-Kontyu 7. 1951, 63.

Nomura, K., (On the locality of the outbreak type of agricultural insect pests and climatic zone in Japan. I.) Kyushu Univ. Fac. Agric. Sci. Bull. 13. 1951, 63—66.

Pacheco M., F., Fluctuaciones de las poblaciones de insectos que atacaron al maíz y al frijol en Progreso, Mor., en 1949—1950. Mexico Ofic. Estud. Exp. Fol. Misc. 4. 1951, 46—51.

Reinmuth, E., Die zeitgebundene Beeinflussung der Pathogenese von Pflanzenkrankheiten. Nachr.bl. dtsh. Pfl.schutzd., Berlin, NF. 5. 1951, 1—8.

Suenaga, H., und Sekiya, S. A., (Relationship between the egg-formation in ovary and feeding temperature of Sejiro- and Tobüro-leafhoppers.) Kyushu Noji Shikinjo 8. 1951, 107—108.

Ulyett, G. C., Insects, man and the environment. J. econ. Ent. 44. 1951, 459—464.

Volodin, A. N., (Heat-resistance of some xerophytes in their natural environment.) Moskov Obshch. Isp. Prirody Bull. Otd. Biol. 56. 1951, 72—80.

Wade, G. C., Weather in relation to plant diseases.) (Extr.) Queensl. Fruit, Veg. News 1. 1951, nr. 13, p. 14—15.

Williams, C. B., Changes in insect population in the field in relation to preceding weather conditions. Proc. R. Soc., ser. B, 138. 1951, 130—156.

Williams, C. B., and Singh, B. P., Effect of moonlight on insect activity. Nature, London, 167. 1951, 853.

b. Prädisposition, Immunität und Resistenz Predisposition, immunity and resistance Prédisposition, l'immunité et résistance

Braun, H., Möglichkeiten und Grenzen der Resistenz-züchtung. Protokoll 10. Sitzung Arb.gemeinsch. Forsch. Nordrhein-Westf. 7. 5. 1951.

Ferguson, W., Spangelo, L. P., and Cameron, D. F., Horticultural plant breeding in Canada. [disease resistance (fungi)] Ztschr. Pfl.züchtg. 30. 1951, 18—25.

Haarer, A. E., The root of it: some complexities of plant immunity. Fruit-Grower 2897. 1951, 7—8.

- Henry, A. W.**, Dependability of disease-resistant varieties of crop plants. Alberta Univ. Dept. Plant Sci. Seasonal Notes 36. 1951, 4.
- Painter, R. H.**, Insect resistance in crop plants. Macmillan Comp., New York 1951. XI + 520 p., 67 fig.
- Pohjakallio, O., Ollila, L., and Paasi, K.**, Investigations into the significance of photosynthesis in resistance to plant diseases. Suomen Maataloust. Aikakausk., Finland, 23. 1951, 156—163.
- Riker, A. J.**, Developing disease resistance in trees. Amer. Nurseryman 93. 1951, nr. 2, p. 9, 70—74.
- Schaper, P.**, Pflanzgut- und Sortenwahl für 1951. [Resistenzzüchtung] Dtsch. landw. Presse 74. 1951, 86, 3 Abb.
- Schaper, P.**, Probleme der züchterischen Schädlingbekämpfung. Gesunde Pflanzen 3. 1951, 261—264.
- Schindler, H.**, Künstliche Immunisierung und innere Therapie der Pflanze. Gartenbauwirtschaft, Wien, 17. 1951, 197—198.
- Schwanitz, F.**, Die Züchtung widerstandsfähiger Pflanzen. Umschau 51. 1951, 596—598, 7 Abb.
- Shakhov, A. A.**, (On drought and salt resistance of tree species of north-western Kazakhstan.) Zhurn. Obshch. Biol. (russ.) 12. 1951, 84—95.
- Stanton, W. R.**, Breeding for disease resistance. I—II. Gard. Illustr. 68. 1951, 247—248, 271—272.
- Stocker, O.**, Kälte- und dürrfefeste Pflanzen. Umschau 51. 1951, 679—682, 3 Abb.
- Šutić, D.**, (A convenient method for testing resistance of plants to diseases.) Plant Prot., Beograd, nr. 8. 1951, 22—27.
- Ten Houten, J. G.**, Het zoeken naar nieuwe rassen ter voorkoming van plantenziekten. Radiovoordracht 5. Febr. 1951.
- Tirelli, M., e Santini, L.**, Varietà di piante coltivate in Italia resistenti a malattie e a cause avverse. (Varieties of plants cultivated in Italy resistant to diseases and adverse factors.) Boll. Staz. Pat. veg., Roma, 7 (ser. 3) (1949). 1951, 217—268.
- Tochinai, Y.**, (The functional resistance in plants.) (Forsch. Pl.krankh.), Kyoto, 4. 1951, 1—8.
- Vavilov, N. I.**, (The origin, variation, immunity and breeding of cultivated plants.) Chron. Bot. Comp., Waltham (Massachus.) 1951. XVIII + 364 p., 37 fig.
- Better farm crops.** [disease resistance] Crops and Soils 3. 1951, nr. 8, p. 28—29; nr. 9, p. 28—29, 1 fig.
- Official Virginia varietal tests 1950.** Field crop recommendations for 1951. [disease resistance] Virginia agric. Exp. Stat. Bull. 445. 1951, 18 p.
- c. Kulturmethode (Bodenbearbeitung, Düngung usw.)**
Cultivation methods
(cultivation of the soil, manuring etc.)
Méthodes de cultivation
(cultivation du sol, engrais etc.)
- Arnold-Forster, W.**, Wind-shelter and wind-tolerance. J. R. hort. Soc., London, 76. 1951, 341—347, 6 fig.
- Bartschat**, Nach der Ernte kalken! Bauernbl. Schlesw.-Holst. 5./101. 1951, 783.
- Bawden, F. C.**, Growing healthier crops. In: Le G. Clark, F., and Pirie, N. W., Four thousand million mouths (Oxford Univ. Press, London 1951), p. 74—92.
- Bockmann, H.**, Die Aufgaben des Pflanzenschutzes bei der Gestaltung von Fruchtfolgen in landwirtschaftlichen Betrieben. Mitt. Biol. Zentralanst., Berlin-Dahlem, H. 70. 1951, 16—19. — Nachr. bl. dtsch. Pfl.schutzd., Braunschwg., 3. 1951, 11—13.
- Bonne, K.**, Anerkennungsflächen rechtzeitig säubern! Bauernbl. Schlesw.-Holst. 5./101. 1951, 368—369 [668—669].
- Bülw, A. v.**, Windschutzfibel, kurze Anleitung zur Knickanpflanzung und Ödlandaufforstung. H. Möller & Söhne, Rendsburg 1951. 39 S.
- Charitonow, G. A.**, Rasmeschtschenie saschtschitnych lesnych polos w uslowijach zentralnotschernosemnoj sony. (Verteilung der Schutzwaldstreifen in den Bedingungen der zentralen Schwarzerdezone.) Les i step 3. 1951, 30.
- Chartschenko, N. F.**, Saschtschitnye lesonasashdenija w sowchosach Ukrainy. (Feldschützende Waldanpflanzungen in den Sowchosen der Ukraine.) Les i step 3. 1951, 55.
- Chorlton, R. W.**, The use of certain chemicals as vegetation eradicators and soil sterilizers. Canada Dept. Res. Devel., Div. Forest Res., Ottawa, Fire Res. Leaf. nr. 6. 1951, 2 p.
- Dobrzański, B., da Ziemnicki, St.**, Projekt układu pol na erodowanych czarnoziemiach w Werkkowicach. (Projekt der Anlage von Feldern auf erodierter Schwarzerde in Werkkowice.) Ann. Univ. Mariae Curie-Skłodowska Lublin, Sekt. E, 6. 1951, 75—116.
- Dunajew, K. A.**, Opyt sosdaniya lesnych polos w kolchosach Kurganinskogo rajona. (Versuch zur Anlage von Waldstreifen in den Kolchosen im Kurganinsker Rayon.) Les i step 3. 1951, 58—63.
- Ehlers, M.**, Zur Frage der Windschutzpflanzungen in Mecklenburg. Dtsch. Landw. 2. 1951, 315—316.
- Ejtingen, G. R.**, Polesaschtschitnoe lesoraswedenie. (Feldschützender Waldanbau.) Moskau 1951. 16 p.

- Elagin, I. N.**, (Shelterbelts on a steppe collective farm.) Les i step 3. 1951, nr. 6, p. 67—70.
- Cajal, A. G.**, Polesaschtschnoe lesoraswedenie w sewernom Priaralja. (Feldschützender Waldanbau nördlich des Aralsees.) Nautschn. wopr. polesaschtschn. lesoraswed. (Lief.) 1. 1951, 309—327.
- Geliashevich, K.**, (For the field sheltering tree plantations — a reliable protection.) Les i step (russ.) 3. 1951, nr. 4, p. 83—84.
- Glebow, M. A.**, (Distribution and expenditure of insecticide in dusting shelterbelts with the OKS machine.) Lesn. Khoz. 4. 1951, nr. 12, p. 81—82.
- Gliemeroth**, Zeitgemäße Fragen der Bodenbearbeitung. Arch. dtsch. Landw.-Ges. 5. 1950, 167—183, 4 Abb.
- Goidanich, G.**, Le pratique agronomique come mezzi di lotta contro le malattie delle piante. 1. Conf. int. Lutte contre Parasites Plantes 3.—6. 10. 1950 Rom. 1951, 315—323.
- Gorschenin, N. M.**, Rasmuschtschenie polesaschtschnykh lesnykh polos na poljach kolchosow i sowchosow. (Verteilung der feldschützenden Waldstreifen auf den Feldern der Kolchose und Sowchose.) Les i step 3. 1951, 30—36.
- Gratschew, A. G.**, Komsomol Stalingrada stroit swoju gosudarstweniju saschtschnuju lesnuju polosu Kamyschin-Stalingrad. (Der Komsomol von Stalingrad baut seinen staatlichen Schutzwaldstreifen Kamyschin-Stalingrad.) Lesn. chosjaistwo 1951, 53—56.
- Grigorjew, F. W.**, Polesaschtschnyxe polosy na burych potschwach. (Feldschützende Streifen auf dunkelbraunen Böden.) Les i step 3. 1951, 78—81.
- Grjasnow, A. N.**, Polesaschtschnoe lesoraswedenie w sowchose »Krasnyj«. (Feldschützender Waldanbau im Sowchos »Krasnyj« im Gebiet Kujbyschew.) Les i step 3. 1951, 75—77.
- Günther, E.**, Ein Beitrag der Fauna zur Bodenfruchtbarkeit. Dtsch. Landw. 2. 1951, 537—539, 6 Abb.
- Gulisaschwili, W. S.**, i Mirsaschwili, W. I., Lesosaschtschnyxe polosy. (Schutzwaldstreifen.) Tbilisi 1951, 32 p.
- Hammler**, Sind wir Sklaven der Schädlinge? [Bodenbehandlung] Siedler 3. 1951, 153—159.
- Herran, K.**, Lebende Schutzanlagen nach der Naturbaumethode. Schweiz. Ztschr. Forstwesen 102. 1951, 164—167.
- Hubert**, Mitschurin-Feld und Pflanzenschutz. Dtsch. Landw. 2. 1951, 77—80.
- Jakubow, T. F.**, (Versuch der Bewaldung und Befestigung der Sande im nordkaspischen Raum.) (russ.) Verl. Akad. Wiss. USSR., Moskau 1951. 99 p., 36 fig.
- Klette, G.**, Ertragssteigerung durch Windschutz. In: Querschnitt durch den neuen Gartenbau (Dtsch. Bauernverlag, Berlin) 1. 1951, 170—174, 4 Abb.
- Knjasew, W. F.**, (Feldschutz-Waldstreifen, ein sicheres Mittel im Kampf gegen Dürre und Mißernte.) (russ.) Verl. Akad. Wiss. USSR., Moskau 1951. 155 p., 38 fig.
- Korotunow, M.**, O konstrukzijach polesaschtschnykh lesnykh polos w oroschajemych rajonach Usbekistana i jushno-kaschstanskoj oblasti. (Über die feldschützenden Waldstreifen in den Bewässerungsräumen Usbekiens und Südkasachstans.) Lesn. chosjaistwo 4. 1951, 5—13.
- Lebedew, W. W.**, Polesaschtschnoe lesoraswedenie na oroschajemykh semljach Sawolshja. (Feldschützender Waldanbau in den Bewässerungsländereien des Wolgabiets.) Les i step 3. 1951, 73.
- Lellilid, H. R.**, Shelterbelts pay their way. Montana Farmer-Stockman Dec. 1951, 1—2.
- Leontjew, A. A.**, Borba s peskami i snojem. (Kampf gegen Sand und Hitze.) Lesn. chosjaistwo 4. 1951, 31—32.
- Linser, H.**, und **Pelikan, W.**, Bor-Kalkammonsalpeter. Bodenkultur, Wien, 5. 1951, 459—466, 3 Abb.
- Mazjuk, I. A.**, Sosdadim i wyrastim dolgowschtschnye lesnyxe polosy. (Schaffen und erziehen wir langlebige Waldstreifen.) Les i step 3. 1951, 72.
- Nikolajew, D. W.**, Rosu morschtschinolististnuju — w polesaschtschnyxe lesonasashdenija. (Rosa rugosa Thunb. für die feldschützenden Waldanpflanzungen.) Les i step 3. 1951, nr. 9, p. 20—22.
- Petrow, M. P.**, Podwishnyxe peski pustynj Sojusa SSR i borba s nimi. (Die Flugsande der Wüsten der Sowjetunion und ihre Bekämpfung.) Bot. Shurnal 36. 1951, nr. 3.
- Polheim, P. v.**, Zur Düngung mit Borax. Bad. landw. Wochenbl. 118. 1951, 369.
- Rath**, Beseitigt die Wirtspflanzen! Ill. Flora 74. 1951, 90—91.
- Raus, S. G.**, Lesnyxe polosy polupustynnoj stepi. (Waldstreifen in der Halbwüstensteppe.) Les i step 3. 1951, 74—76.
- Rickard, J. A.**, Windbreak protection. Your Farm 10. 1951, nr. 12, p. 86—88.
- Rodriguez Landaeta, A.**, La rotación de cultivos en el combate de las enfermedades de las plantas. Agro, El Valle, 6. 1951, nr. 19, p. 20—23.
- Romaschow, N. W.**, O wetrosaschtschnom i protiwoerosionnom wlijanii lesnykh polos. (Über den Einfluß der Waldstreifen auf Wind und Erosion.) Les i step 3. 1951, 26—28.

- Sadasivan, T. S.**, Role of trace elements in control of root-infecting fungi. Proc. Indiana Acad. Sci. (Sect. B) 33. 1951, 135—149, 6 fig.
- Sann, U.**, Gesunderhaltung des Bodens. In: Querschnitt durch den neuen Gartenbau (Dtsch. Bauernverlag, Berlin) 1. 1951, 165—169.
- Silwestrow, S. I.**, O sisteme saschtschitnykh lesonasashdenij w kolchosach erosiionnykh rajonow. (Über das System der Schutzwaldbestände in den Kolchosen der Erosionsgebiete.) Les i step 3. 1951, 27—36.
- Simonneau, P.**, Note sur la résistance au sel de quelques plantes cultivées; observations faites dans les terrains salés de plaines sub-littorales d'Oranie. Fruits, Primeurs Afr. Nord 21. 1951, 319—322.
- Tavsanoglu, F.**, Zirai kalkinmanin temel sartı Topragin korunması. (Der Bodenschutz, die fundamentale Bedingung für die Wiederaufrichtung der Landwirtschaft.) Orman dâvamızın cesitli yönlerine dair ilmi görüşler, Ankara, 1951, 29—33.
- Our land and its care.** Amer. Plant Food Council, Washington 1951. 2nd ed., 64 p.
- d. Überwachung, Wanderung und Verschleppung von Krankheiten Saatenanerkennung**
Control, wandering and spreading of plant diseases, seed-inspection
Surveillance, migration et importation des maladies végétales, inspection des semences
- Andrewartha, H. G.**, Contributions of agricultural research in insect pest control. J. austr. Inst. agric. Sci. 17. 1951, 94—95.
- Bardes, H. C.**, Bulb inspection, world parleys spur unified quarantine system. Florists' Exch. 117. 1951, nr. 18, p. 12, 46.
- Benloch, M.**, La lucha contra las plagas. [insect and disease control] Minist. Agric., Serv. Capacitación, Propag., Hojas Divulg. 3. 1951, 8 p. (span.).
- Berkeley, G. H.**, Trends in disease control. Canad. Grower 74. 1951, nr. 2, p. 5—6.
- Bouriquet, G.**, Control of plant diseases in the French Overseas territories. U. Nat. sci. Conf. Conserv., Util. Resources Proc. 6. 1951, 333—336.
- Brown, A. C.**, Plant inspection and quarantine and their relationship to the horticultural interests of Florida. Citrus Ind. 32. 1951, nr. 3, p. 5—9, 18.
- Censi, G.**, Come funzionano i centri lotta antiparassitaria. Terra e Sole 106. 1951, 221—222.
- Da Silva, V. D.**, (The importation of plants and plant sanitation.) Gaz. Agric. (portug.) 3. 1951, 96—97.
- De C. Gondim, E.**, (Plant sanitation activities in the Horta district.) Azores Comis. Regulad. Cereais Bol. 7. 1951, nr. 13, p. 120—121.
- Du Marchie Sarvaas, F.**, Uitvoercontrole op plantaardige producten. (Inspection of exported plant material.) Maandbl. Landbouvoorl.dienst 8. 1951, 129—132.
- Duncan, C. H.**, Oklahoma's war against pests, disease. Mkt. Growers J. 80. 1951, nr. 8, p. 12—13.
- Farmer, S. F.**, The battle between scientist and pest; research workers from all over the world meet to discuss cheaper safer and more effective ways of crop protection. Power Farmer 7. 1951, 88—89.
- Faxon, R.**, Plant quarantine import restrictions on fresh fruit of selected foreign countries. U. S. Dept. Agric. Bur. Ent., Plant Quar. 1951?, 4 p.
- Feuchter, Der Wert des Saatgutes.** Bad. landw. Wochenbl. 118. 1951, 101—102, 2 Abb.
- Franklands, H. M.**, The quarantine aspect of air navigation. Health 1 (n. ser.). 1951, nr. 2, p. 16—19.
- French, G. T.**, Plant quarantines for the control of insects and plant diseases. Virginia J. Sci. 2 (n. ser.). 1951, 298.
- Fuji, T.**, (Partial amendment to the quarantine regulations for exported plants.) Jap. J. Plant Prot. 20. 1951, 6—13.
- Gram, E.**, (Plant quarantine.) Gart.-Tid. (danish) 67. 1951, 593—595.
- Hambleton, E. J.**, Cooperative campaign fights Iran's locusts. [Schistocera gregaria] Foreign Agric. 15. 1951, 139—142.
- Harvey, N. P.**, Plant diseases and their control. Young Farmer 19. 1951, 21, 23.
- Hata, Y.**, Gaichu bojo-ho zuzetsu. (Illustrations of the prevention of parasitic insects.) Nogyo Shoin, Tokyo 1951. 229 p.
- Heerdt, W.**, Wege zur Schädlingsbekämpfung im In- und Ausland. Mühle, Detmold, 88. 1951, 640.
- Helson, G. A. H.**, Facts about plant quarantine in New Zealand and overseas. Orchardist New Zeal. 24. 1951, nr. 2, p. 9, 11—13.
- Helson, G. A. H.**, The importance of plant quarantine to agriculture. New Zeal. J. Agric. 82. 1951, 105, 107—108.
- Hendrix, J. W.**, Disease control of agricultural crops in Hawaii. U. Nat. sci. Conf. Conserv., Util. Resources Proc. 6. 1951, 330—333.

- Hickey, J. C., How to control garden insects and diseases. Maine agric. Coll. Ext. Circ. 230 (rev.). 1951, 8 p.
- Holmes, E., Factors limiting crop protection. Chem. and Ind. nr. 32. 1951, 678.
- Holmes, E., Factors limiting crop protection progress. [pest and disease control] Statist 154 (3850, sup.). 1951, 27—30.
- Hoyt, A. S., Florida's stake in plant quarantine enforcement. Florida State hort. Soc. Proc. 63 (1950). 1951, 48—53.
- Hus, P., (New data on the control of plant diseases in Germany.) Meded. Dir. Tuinbouw 14. 1951, 890—899.
- Iwasa, T., (International quarantine and domestic plant quarantine.) Jap. J. Plant Prot. 20. 1951, 1—2.
- Jannone, G., (Collective antiparasitic control.) [plant insect and disease control in Italy] Humus (ital.) 7. 1951, nr. 5, p. 25—26.
- Johanson, F. D., Garman, P., and Stoddard, E. M., Pest control guide, 1951. Connecticut Univ. Coll. Agric., agric. Ext. Serv., Storrs 1951, var. p.
- Joubert, C. J., Controlling insect pests. Transkeian Territ. Agr. Dept. Umcebisi Womlimi Nomfuyi 28. 1951, nr. 4, p. 49—51.
- Kawada, (Future of plant protection.) Jap. J. Plant Prot. 19. 1951, 1.
- Kettle, D. S., Some factors affecting the population density and flight range of insects. Proc. R. ent. Soc. London (Ser. A) 26. 1951, 59—63.
- Klett, Pflanzenschutz [in den einzelnen Monaten]. Obstbau 70. 1951, 29, 45—46, 62—63, 77—78, 94—95, 110, 126—127, 141—142, 159, 174—175 u. 188.
- Knowlton, G. F., Wireworm control. Utah State agric. Coll. Ext. Bull. 232. 1951, 2 p.
- Koidsumi, K., Are two tropical fruitflies (Chaetodacus cucurbitae Coq. et Cd. ferrugineus var. dorsalis Hendel) possible to distribute in the mainland of temperate Japan? Oyo-Kontyu 7. 1951, 66—67 (Abstr.).
- Krone, P., 4-H Club flower gardening project. [insect and disease control] Michigan State Coll. agric. Ext. Club Bull. 48 (rev.). 1951, 59 p.
- Lakon, G., Der 9. Internationale Kongreß für Samenkontrolle in Washington, D. C. Saatgut-Wirtschaft 3. 1951, 29—31, 1 Abb.
- Lee, D. J., The problems of insect quarantine. Linnean Soc. New South Wales Proc. 76. 1951, V—XIX.
- Leib, E., und Klauf, D., Der Pflanzenschutz-Warn-dienst. [monatlich] Saarl. Bauernbl. 5. 1951, 7, 46—47, 69, 110, 129, 147, 188, 206 u. 227.
- McCarthy, T., Progress in pest control. Agric. Bur. New South Wales State Conf. Hawkesbury Agric. Coll. 27. 1951, 16—17.
- McCrea, R. J., Portable quarantine seed inspection table. Calif. Dept. Agric. Bull. 40. 1951, 27—29.
- Marcus, Reichhaltig und vielseitig ist die Arbeit des Pflanzenschutzamtes. Landw. Wochenbl. Kurh. u. Waldeck 166. 1951, 128—129.
- Martinez Andreu, A., Servicio de parasitología y control de plagas. Rev. Cuba Minist. Agric. 34 (ser. 8). 1951, 77—81.
- Melis, A., I pericoli che corrono i paesi europei con l'introduzione di parassiti di piante provenienti da altri continenti. Inform. Fitopat., Bologna, Pubbl. quindic., Gr. II, nr. 15. 1951, 1—4, 1 fig.
- Moore, L. H., Control your garden pests. New Mexico agric. Coll. Ext. Circ. 230. 1951, 8 p.
- Noble, M., Seed pathology. Nature, London, 168. 1951, 534—537.
- O'Brien, M. J., A visit with some of Europe's plant disease and fungicide experts. Agric. Chem. 6. 1951, 55, 87—88.
- Paramonow, S. J., Über manche für die Ukraine und die Krim schädlichen »Fruchtfliegen« mit Quarantänebedeutung. Anz. Schädli. Kunde 24. 1951, 58—59.
- Peters, B. G., The term 'eelworm-free soil' in plant quarantine regulations. Nature, London, 167. 1951, 368.
- Rudebeck, G., (Some observations concerning migratory movements in Pyrameis atalanta L. together with some general considerations.) Opusc. Ent. (swed.) 16. 1951, 49—54.
- Rui, D., Consulto fitopatológico. Inform. Agr. 7. 1951, nr. 11, p. 4.
- Schober, K., Pflanzenschutzarbeiten im abgelaufenen Jahr. [Schädlingskontrolle in Österreich] Landwirtschaft 23/24. 1951, 352—355.
- Shaw, Ch. G., How to collect, prepare, and ship plant disease material for identification. Washington agric. Exp. Stat. Circ. 132. 1951, 2 p.
- Shcherbinovskii, N. S., (On the control of pests of agricultural plants.) In: Vsesoiuznyi Nauchno-Issledovatel'skii Inst. Kormov. Sborn. stat. voprosam kormoproduktivstva (Gos. Izd-vo Selkhoz Lit-ry, Moskva) 1951, 88—91.
- Sjetne, E., (The State Plant Inspection.) Norske Hageselsk. Minneliste Hagedyrkere 2. 1951, 4.
- Srinivasan, M. A., Protecting plants from pests and diseases. Mysore agric. J. 27. 1951, 111—112.

- Stahl, C.**, Beretning fra Statsfrøkontrollen for det 79. arbejdsår fra 1. juli 1949 til 30. juni 1950. (Report from the Danish State Seed Testing Station for the 78th Working Year from the 1st July 1949-30th June 1950.) Tidsskr. Planteavl, København, 54. 1951, 185—248.
- Stakman, E. C.**, The control of plant diseases. U. Nat. sci. Conf. Conserv., Util. Resources Proc. 6. 1951, 319—324.
- Tew, R. P.**, Pest control in Germany during the period 1939—1945. Brit. Intellig. Object. Sub-Comm. (B. I. O. S.) Surv. Rept. nr. 32. 1951, 122 p., tab.
- Thalenhorst, W.**, Die Bedeutung des Einzelgeschehens in der Gradologie. 9. int. Congr. Ent., Amsterdam, 6. 1951, 6—7.
- Van den Bruel, W. E.**, Constatations sur l'état actuel de la diffusion des ravageurs dans les différents pays et sur les moyens à adopter pour en protéger les cultures et les réserves alimentaires. 1. Conf. int. Lutte contre Parasites Plantes 3.—6. 10. 1950 Rom. 1951, 186—201.
- Volp, P.**, An outline of disease control in the Mulgrave Area. Queensland Bur. Sugar Exp. Stat. Cane Growers Quart. Bull. 15. 1951, 30—32.
- Ward, W. F., Lawless, W. W., and Brown, A. C.**, Symposium of certification of disease-free nursery stock. III—V. Citrus Ind. 32. 1951, nr. 10, p. 11—17, 22.
- Wood, W. B.**, The plant quarantine inspector as a national guardian. Proc. ent. Soc. Washington 53. 1951, 116 (Abstr.).
- Wright, W. H.**, Standardized tests of seeds. Grain Feed J. 106. 1951, nr. 11, p. 21—22.
- Zanon, K.**, Der Beobachtungs- und Warndienst und die Schulung der Pflanzenschutzwarnte in Südtirol. Chemie und Technik 2. 1951, 247—248.
- Amendment of Japanese beetle (*Popillia japonica*) quarantine regulations.** U. S. Dept. Agric. Bur. Ent., Plant Quar. Bull. E. P. Q. — Q. 48. 1951, 1 p.
- Amendments of black stem rust quarantine and regulations.** U. S. Dept. Agric. Bur. Ent., Plant Quar. 38. 1951, 3 p.
- A case study in training.** Bureau of Entomology and Plant Quarantine. U. S. Dept. Agric. Bur. Ent., Plant Quar. 1951, 102 p.
- Methoden van het Rijksproefstation voor zaadcontrole voor het onderzoek van zaaizaden.** (Methods used at the State Seed Testing Research Station for the analysis of seeds for sowing.) Rijksproefstat. Zaadcontrole, 's-Gravenhage 1951. 80 p.
- Nursery stock, plant and seed quarantine No. 37.** Revision of quarantine and regulations effective December 5, 1950. U. S. Dept. Agric., Bur. Ent., Plant Quar., Serv. regul. Announc. 179. 1951, 114—129.
- Plant quarantine import restrictions.** U. S. Dept. Agric. Bur. Ent., Plant Quar., Serv. regul. Announc. 179. 1951, 134—152.
- Plant quarantine import restrictions of Japan.** U. S. Dept. Agric. Bur. Ent., Plant Quar. B. E. P. Q. 470 (rev.). 1951, 5 p.
- Plant quarantine import restrictions of the Commonwealth of Australia.** U. S. Dept. Agric. Bur. Ent., Plant Quar. B. E. P. Q. 476. 1951, 19 p.
- Plant quarantine import restrictions of the French Zone of Morocco; importation of citrus plants prohibited.** U. S. Dept. Agric. Bur. Ent., Plant Quar. 444. 1951, 1 p.
- Plant quarantine import restrictions of the Portuguese Colony of Angola.** U. S. Dept. Agric. Bur. Ent., Plant Quar. B. E. P. Q. 591. 1951, 1 p.
- Plant quarantine import restrictions of the Republic of Chile.** U. S. Dept. Agric. Bur. Ent., Plant Quar. B. E. P. Q. 511 (rev.). 1951, 10 p.
- Plant quarantine import restrictions of the Republic of France; importation of conifers restricted.** U. S. Dept. Agric. Bur. Ent., Plant Quar. B. E. P. Q. 403 (2d Rev., Suppl. 1). 1951, 1 p.
- Plant quarantine import restrictions of the Republic of Lebanon.** U. S. Dept. Agric. Bur. Ent., Plant Quar. B. E. P. Q. 593. 1951, 3 p.
- Plant quarantine import restrictions of the United Kingdom of Great Britain; revised regulations, Island of Guernsey.** U. S. Dept. Agric. Bur. Ent., Plant Quar. B. E. P. Q. 416 (suppl. 3). 1951, 3 p.
- Proposta di controllo mondiale delle infestazioni delle piante.** Giorn. Agric. 61. 1951, 289.
- Qualitative control of seeds in Great Britain.** Nature, London, 167. 1951, 344.
- Seed analyses report for the year 1950.** Pennsylv. Dept. Agric. Bull. 34. 1951, nr. 1, 20 p.
- La situation phytosanitaire en France pendant le mois de Septembre, [Octobre et Novembre] 1951.** Phytoma, Paris, 4. 1951, nr. 31, p. 23—24; nr. 32, p. 26—28; nr. 33, p. 25—26.
- Summary of State nursery-stock shipping requirements and plant quarantines and regulations affecting interstate shipments.** U. S. Dept. Agric. Bur. Ent., Plant Quar. 578. 1951, 3 p.
- White-fringed beetle (*Graphognathus leucoloma*) quarantine and amended regulations.** U. S. Dept. Agric. Bur. Ent., Plant Quar. B. E. P. Q. — Q 72. 1951, 18 p.

2. Pflanzentherapie
Plant therapeutics — Thérapeutique des plantes

a. Untersuchungs- und Bekämpfungstechnik

Methods of examination and technics
of disease controlMéthodes de recherche et technique
de la lutte contre les maladies

Allgemeiner Teil

General part — Partie générale

- Ahmad, T., Hasanain, S. Z., and Sattar, A., Some popular methods of plant diseases control in Pakistan. U. Nat. sci. Conf. Conserv., Util. Resources Proc. 6 (1949). 1951, 327—329.
- Anand, P. N., Protection of crops and grasslands against insects. U. Nat. sci. Conf. Conserv., Util. Resources Proc. 6. 1951, 315—318.
- Beran, F., Schädlingsbekämpfung. Food, Agric. Org. U. N., Austrian nat. Com., nr. 3. 1951, 5—6.
- Berkeley, G. H., Trends in disease control. Canad. Grower 74. 1951, 5—7.
- Berzaghi, M., (Control pests.) Rev. dos Mercados (portug.) 2. 1951, nr. 5, p. 76—78.
- Bühler, C., Naturgemäße Schädlingsverhütung im Land- und Gartenbau. Verl. »Genossensch. biol. Landbau«, Winterthur 1951. 24 S.
- Diehl, Gemeinschaftsarbeit in der Schädlingsbekämpfung. Neue Mitt. Landw., Hannover, 6. 1951, 264.
- Fagundes, F. C., (Plant sanitation station of the Angra do Heroismo District.) Azores Comis. Regulad. Cereais (portug.) Bol. 7. 1951, nr. 13, p. 119—120.
- Frickhinger, H. W., Schädlingsbekämpfung für jedermann. F. Ehrenwirth, München 1951. 295 S., 204 Abb.
- Glöckner, G., Pflanzenschutz [in den einzelnen Monaten]. Hess. landw. Ber.dienst, Gießen, Merkbl. 21. 1951, 15 S., 14 Abb.; 22. 1951, 18 S., 15 Abb.; 23. 1951, 15 S., 16 Abb.
- Grosjean, J., Interne therapie bij plantenziekten. Tuinbouw 6. 1951, nr. 2, p. 34—35.
- Haskell, R. J., Extension and research relationships in plant pathology. In: U. S. Extension Serv. Extension and Research Relationships from different Viewpoints (Washington 1951), p. 1—6.
- Hauduroy, P., Techniques bactériologiques utilisées pour l'isolement, la détermination et la conservation des microorganismes (bactéries, champignons microscopiques, virus), Masson, Paris 1951. VII + 167 p.
- Heddergott, H., Neue Wege in der Schädlingsbekämpfung. Techn. Bauern, Gärtner (Ausg. A) 3. 1951, 239—240.
- Hierholzer, O., Ein einfaches Verfahren zur Erlangung gleich vitaler Versuchstiere. Anz. Schädl.kunde 24. 1951, 152—153, 2 Abb.
- Horber, E., Aktuelle Fragen der Schädlingsbekämpfung im Ackerbau. Grüne 79. 1951, 411—425.
- Hough, W. S., and Mason, A. F., Spraying, dusting and fumigating of plants. Principles and applications. Macmillan Comp., N. York 1951. 2. ed., IX + 726 p., 241 fig.
- Jancke, O., Versuche zur inneren Therapie. Mitt. Biol. Zentralanst., Berlin-Dahlem, H. 70. 1951, 89—91.
- Kaushal, R., A simple device for spraying mould spores for surface cultures. Curr. Sci., Bangalore, 20. 1951, 158.
- Kotte, W., Neuzeitliche Schädlingsbekämpfung im Hausgarten. Landfrauenarbeit (Beil. zu »Neue Mitt. Landw.«, Hannover, 6). 1951, H. 24, S. 191—192.
- Kuhn, H., Schädlingsbekämpfung in der Großstadt. Mitt. schweiz. ent. Ges. 24. 1951, 205.
- Lindefors, Th., Aktuellt från växtskyddet. Svenska Jordbruksforsk. 1951, 122—128.
- Mieller, H., Wir schützen unsere Pflanzen. Land u. Frau 31. 1951, 37, 1 Abb., 82, 1 Abb., 126, 1 Abb., 170, 2 Abb., 213, 1 Abb., 256.
- Mungomery, R. W., Operations against pests and diseases in South Queensland. Queensl. Bur. Sugar Exp. Stat. Cane Growers' Quart. Bull. 15. 1951, 8—9.
- Noll, L., Fortschritte in der Schädlingsbekämpfung. Neue Berliner Gärtner-Börse 5. 1951, 3.
- Santini, C., La lotta antiparassitaria ed i suoi mezzi meccanici. Ital. agric. 88. 1951, 596—619.
- Schmidt, M., Pflanzenschutz und Schädlingsbekämpfung. In: Querschnitt durch den neuen Gartenbau (Dtsch. Bauernverlag, Berlin) 1. 1951, 196—200, 1 Abb.
- Siegmann, Mittel und Wege neuzeitlichen Pflanzenschutzes. Techn. Bauern, Gärtner (Ausg. A) 3. 1951, 97—98.
- Spoelstra, P. A., en Taal, M. M., Goekdoper en beter grondstomen. Groenten en Fruit 6. 1951, 619.
- Tervet, I. W., Rawson, A. J., Cherry, E., and Saxon, R. B., A method for the collection of microscopic particles. Phytopathology 41. 1951, 282—285, 2 fig.
- Torreiro, R., Guerra a las plagas agrícolas! Pampa Argent. 24. 1951, nr. 281, p. 18—19. — Rev. Bolsa Com. Rosario 39. 1951, nr. 946, p. 7—9.

- Urquijo Landaluze, P.**, Medios cooperativos para luchar contra las enfermedades de las plantas en las pequeñas explotaciones agrícolas. Bol. Pat. veg. Ent. agric., Madrid, 18 (1950). 1951, 133—137.
- Van der Zee, S.**, Beschermingsmiddelen van plant en dier. (Protective devices of plants and animals.) Eigen Werk-Ser. Biol. 5. 1951, 46 p.
- Vidal Mora, J. M.**, Tratamientos adecuados para combatir las plagas. [diseases and pests of plants] Balearic Isl. Diputación Prov. Bol. Agr. 83. 1951, 6—7.
- Warmbrunn, Engerlings- und Drahtwurm bekämpfung auf Acker- und Gartenland.** (Mitteilung des Pflanzenschutzamtes.) Württ. Wochenbl. Landw. 118. 1951, 197.
- Whallon, A. P.**, Protection without poison; adopt preventive practices in insect control. Org. Gard. 18. 1951, nr. 4, p. 27—29.
- Woudhuysen, H. L.**, Metallo-chemotherapy of plant diseases. New York 1951. 12 p.
- Zörnitz, H.**, Schädlinge im Kleingarten und ihre Vernichtung. Hans Putty-Verlag, Wuppertal-Elberfeld 1951? 44 S., zahlr. Abb.
- Pflanzenschutzlicher Arbeitskalender.** Gesunde Pflanzen 3. 1951, 12—13, 34—35, 50—51, 76—77, 96—97, 158—159, 178—179, 202—203, 226—227, 251, sämtl. m. Abb.
- Pflanzenschutz und Schädlingsbekämpfung im Obstbau, Weinbau, Gartenbau und Feldbau.** Maag-Mitt., Dielsdorf-Zürich, No. 86ff. 1951.
- Les traitements d'hiver.** Rev. rom. Agric., Vitic., Arboric. 7. 1951, 8.
- Spritzung, Bestäubung und Räucherung**
Sprays, dusts and fumigation
Pulvérisation, poudrage et fumigation
- Adams, R. E., Pratt, R. M., and Terry, C. W.**, A leaf punch for sampling foliage for analysis of spray deposits. Phytopathology 41. 1951, 568—569, 1 fig.
- Amelin, A. G.**, (In regard to using poisonous chemicals in the form of aerosols (in pest control).) Vsesoiuzn. Akad. Sel'skhoz. Nauk Dokl. 16. 1951, nr. 8, p. 34—38.
- Anderson, E. D.**, Modern sprays control costly pests. Amer. Farm Pict. 1951, 1—2.
- Bellavite, F.**, (Preparation of sprays.) [for insect and disease control] Inform. Agric. (ital.) 7. 1951, nr. 9, p. 5.
- Besemer, A. F. H.**, (The assay of spray materials and their use.) Tijdschr. Ent. 93. 1951, T 5—T 6.
- Brodell, A. P., and Burkhead, C. E.**, Spraying and dusting major field crops. U. S. Dept. Agric. Bur. agric. Econ. FM—88. 1951, 6 p.
- Brown, I. L.**, Efficient application of sprays. New Zealand J. Agric. 83. 1951, 193—194.
- Burrell, A. B.**, Are we ready for concentrated spraying? Mountaineer Grower 21. 1951, nr. 186, p. 14—15, 17, 20—23, 25—26.
- Burrell, A. B.**, Summary of where we stand on concentrate spraying. New York State hort. Soc. Proc. 96. 1951, 112—117.
- Bush, R.**, Sprayers and dusters on parade. Grower, London, 36. 1951, 218—219.
- Bylterud, A.**, (Spraying equipment and spraying against weeds.) Gartneryrket 41. 1951, p. 297—301, 304, 306.
- Chella, G.**, Bagnanti e adesivi. Agric. Napoletana 18. 1951, nr. 7, p. 43—44.
- Childers, N. F.**, Concentrate sprays make progress here. New Jersey Farm Gard. 22. 1951, nr. 12, p. 36, 38—39.
- Chisholm, R. D., and Koblitsky, L.**, A method for calculating and expressing the concentration of insecticidal chemicals in solutions. U. S. Dept. Agric. Bur. Ent., Plant Quar. ET—296. 1951, 2 p.
- Clarke, L. M., and Clarke, J. R.**, Experiences with semi-concentrate spraying in the Lower Hudson Valley. New York State hort. Soc. Proc. 96. 1951, 99—100.
- Cohen, S. I.**, Puratized agricultural spray. Trees 11. 1951, nr. 3, p. 6.
- Davis, V. H.**, Keep posted on spraying information. Ohio Farm Bur. News 30. 1951, nr. 8, p. 18, 34—35.
- Eaton, C. B., and Secrest, J. P.**, A laboratory spray chamber for producing deposits of limited drop size. U. S. Dept. Agric. Bur. Ent., Plant Quar. ET—293. 1951, 6 p.
- Edmonton, W. E.**, Biological approach: this spraying problem. [insecticides] Fruit-Grower 2876. 1951, 235—236.
- Elton, J. W.**, Air-blast spraying. J. New Hampshire hort. Soc. 14. 1951, 95—96.
- Fales, J. H.**, The aerosol industry today. Ent. Soc. Washington Proc. 53. 1951, 56 (Abstr.).
- Fulton, R. A.**, Supplemental list of publications on liquefied-gas aerosols. U. S. Dept. Agric. Bur. Ent., Plant Quar. E—814. 1951, 5 p.
- Garton, J. E.**, A graphic solution of agricultural field sprayer problems. Oklahoma agric. Exp. Stat. Misc. Publ. MP—19. 1951, 4 p.
- Garton, J. E., and Morgan, M. J.**, A graphic method of calculating spray mixes. Oklahoma agric. Exp. Stat. Misc. Publ. MP—23. 1951, 7 p.
- Glerum, J. Ch.**, Spraying equipment in agriculture. Inst. Landbouwtechn. Rational., Wageningen, Publ. nr. 8. 1951, 36 p.
- Glerum, J. Ch.**, Spuiten of vernevelen? (Sprays or mists?) Nieuwe Veldbode 17. 1951, 449—451.

- Gunderson, H., and Sylwester, E. P.**, Spraying grows up. Iowa Farm Sci. 5. 1951, 190—192.
- Harry, J. B.**, Laboratory and field comparisons of tenacity agents for agricultural spray fungicides. Michigan Univ. Microfilm 11. 1951, 3—4 (Abstr.).
- Herrbach, E. F.**, Concentrate spraying. III. Illinois State hort. Soc. Trans. 85. 1951, 90—102.
- Hogg, D. J.**, Manufacture of spray chemicals at Mapua. New Zealand J. Agric. 82. 1951, 409, 411, 413—414.
- Hüter, L.**, Die Bedeutung der Entseuchungsverfahren mit Gasen für die Pflanzenquarantäne. Mitt. Biol. Zentralanst., Berlin-Dahlem, H. 70. 1951, 117—118.
- Johanson, F. D., and Garman, P.**, Reduced spray schedule, 1951. Connecticut Univ. Coll. Agric., agric. Ext. Serv. 1951, 1 p.
- Ketelaar, J. A. A.**, (Fumigation of provisions.) [insect damage to grain and grain products] Meded. Landbouwhogeschool. Gent. 16. 1951, 207—217.
- Licht, H.**, Der derzeitige Stand des Contra-Nebelverfahrens. Dtsch. Baumschule 3. 1951, 240—246.
- Linsens, H. F.**, Über die Änderung der Benetzbarkeit von Blattoberflächen nach Spritzungen. Ztschr. Pfl.krankh. 58. 1951, 327—332, 2 Abb.
- Marshall, J.**, Progress in development of concentrate spraying. [for insect control] Oregon State hort. Soc. Proc. 66. 1951, 116—118.
- Mayfield, P.**, Results of spray tolerance hearings. Delaware State Board Agric. Bull. 40. 1951, nr. 5, p. 117—123.
- Moser, Vereinfachtes Spritzverfahren bei der Rüsselkäferbekämpfung.** Allg. Forstztschr. 6. 1951, 166, 2 Abb.
- Paterson, J. J., and Shanks, G. L.**, The effects of weed and insect sprays on spraying equipment materials. Manitoba Dept. Agric. Immigr. Publ. 249. 1951, 9 p.
- Reich, H.**, Was mir bei der Blauspritzung auffiel! Mitt. Mitgl. Obstbauvers.ring Altes Land usw. 6. 1951, 51.
- Schmidt, T.**, Nochmals — die Knospenverträglichkeit der Winterspritzmittel. Pflanzenarzt, Wien, 4. 1951, Nr. 9, S. 1.
- Shimizu, T., Imaizumi, I., Kagami, T., and Yoshida, T.**, (Studies on the fog-fumigation. I—III.) Oyo-Kontyu 7. 1951, 92—94.
- Sylwester, E. P., Gunderson, H., and Sherf, A. F.**, Spraying calendar for weeds, crop diseases, and pests. Hoard's Dairyman 96. 1951, 344—345.
- Vallés Nadal, L.**, Modernos sistemas de pulverizaciones para frutales. Cult. Mod. 34. 1951, 57—58.
- Walkden, H. H., and Schwitzgebel, R. B.**, Evaluation of fumigants for control of insects attacking wheat and corn in steel bins. U. S. Dept. Agric. Techn. Bull. 1045. 1951, 20 p.
- Wöllmer, H.**, Physikalische Eigenschaften von Aerosolen in der Schädlingsbekämpfung. Schädlingsbekämpfung 43. 1951, 117—120, 5 Abb.
- Wolfer, A.**, Die neue Spritzmethode im Obst- und Weinbau. Schweiz. Ztschr. Obst-, Weinbau 60. 1951, 337—340, 3 Abb.
- Goedgekeurde bestrijdingsmiddelen.** Plantenziektenkdg. Dienst, Wageningen, Vlugschr. nr. 65 (2. ed.). 1951, 4 p.
- Push button control of flying insects.** [use of aerosols] Rohm & Haas Rept. 9. 1951, nr. 2, p. 11—14.
- Spraying and dusting means greater food production.** Farm Equipm. Retailing 12. 1951, 24, 58.
- Werkwijze voor de bereiding van emulsies, geschikt als wintersproeimiddel voor de bestrijding van schadelijke organismen.** Octrooi nr. 67614. 1951.

Saatzgutbehandlung

Seed treatment

Traitement de semences

- Brentzel, W. E.**, New seed treatments for grass and legume seeds. North Dakota agric. Exp. Stat. bimonthly Bull. 13. 1951, 143—145.
- Cossette, M.**, Vous aurez des récoltes plus favorables si vous désinfectez bien vos semences. Bull. Agric. 47. 1951, nr. 2, p. 16—17, 19.
- Cronshey, J. F. H.**, The modern range of seed dressings. Plant Prot. Overseas Rev. 2. 1951, nr. 2, p. 22—25.
- Crosier, W. F.**, A nonpoisonous disinfectant (Vancide 51) for seed laboratory use. Assoc. Off. Seed Anal. Proc. 41. 1951, 127—130.
- De Smedt, A.**, (We are getting ahead of next year's diseases now.) [soil sanitation and seed treatment] Tuinbouwberichten 15. 1951, 133.
- Fischetti, D. L.**, Métodos modernos para desinfectar semillas. Chacra 21. 1951, nr. 249, p. 38—39.
- Franck, W. J.**, (Problems discussed during the 9th International Seed Control Congress in May '50 in Washington. 2.) Zaadbelangen 5. 1951, 31—33.
- Haskell, R. J.**, The fight against seed-borne diseases. (Excerpts.) Grain, Feed J. (consolidated) 106. 1951, nr. 9, p. 21—22.
- Hensill, G. S.**, Lindane joins fight: seed treatment advanced by effective new ally. South. Seedsman 14. 1951, nr. 2, p. 22, 54.
- Holmes, E.**, Insecticide-fungicide seed-dressings. World Crops 3. 1951, 54—56.
- Hopf, P. P., Lhoste, J., and Ravault, L.**, A new mercurial with apparent systemic properties as a seed dressing. [phenyl mercuric denaphthylmethane-disulphonate as fungicide] J. Sci. Food, Agric. 2. 1951, 295—302.

- Hoppe, P. E.**, A glass-tumbler-paper-doll technique for seed corn incubation and germination tests. *Phytopathology* 41. 1951, 856—858, 1 fig.
- Lange jr., W. H., Carlson, E. C., and Corrin, W. R.**, Seed treatments for control of the seed-corn maggot in northern California. [*Hylemya ciliicrura*] *J. econ. Ent.* 44. 1951, 202—208.
- Munro, J. A.**, Wireworm control by seed treatment. *North Dakota agric. Exp. Stat. Bimonthly Bull.* 13. 1951, 178—179.
- Natarajan, T.**, Madras. [controlling plant pests] *Indian Farming* 12. 1951, 45—46.
- Nilsson, P. E., and Bingefors, S.**, A method for routine testing of seed treatments in the laboratory. *Lantbr.-högsk. Ann., Uppsala*, 18. 1951, 106—112.
- Porter, R. H.**, Treatment of crop seeds in Brazil and Paraguay. *Phytopathology* 41. 1951, 367—374.
- Ravault, L.**, Du nouveau dans la désinfection des semences. *Rev. int. Prod. Colon.* 26. 1951, 208.
- Ruhloff, M., and Burton, J. C.**, Compatibility of rhizobia with seed protectants. *Soil Sci.* 72. 1951, 283—290, 2 fig.
- Ryker, T. C.**, Adding insecticides to seed treatment being given further study and careful trial. *Du Pont Seed Treater*, Summer 1951, 4.
- Ryker, T. C.**, Insecticide seed mixture. *Agric. Chem.* 6. 1951, nr. 9, p. 67, 101, 103.
- Sass, J. E.**, Response of meristems of seedlings to benzene hexachloride used as a seed protectant. *Science, Lancaster*, 114. 1951, 466.
- Schlicht, W.**, Improved techniques in chemical seed treatment. *Purdue Agric.* 42. 1951, nr. 5, p. 14.
- Skiver, C. E.**, Germ warfare on seeds pays off; seed treatment is one of the best and cheapest kinds of crop insurance. *Krause Flying Powman* 5. 1951, nr. 4, p. 1—2.
- Stirland, L. L.**, Seed treatment increases sales and satisfaction. *West. Feed Seed* 6. 1951, nr. 5, p. 17, 30—31.
- Sweetland, R. E., and Starr, G. H.**, Chemical seed treatment for small grains and grasses. *J. Colorado-Wyoming Acad. Sci.* 4. 1951, nr. 3, p. 63 (Abstr.).
- Swierstra, J.**, Nieuwe chemische middelen voor behandeling van zaaizaad. I.—II. (New chemical preparations for the treatment of seeds. I—II.) *Zaadbelangen* 5. 1951, 16—17, 33—34.
- Van Burg, P. F. J.**, (Seed trade and seed provision in Holland.) *Landbouwweekblad* 33. 1951, nr. 1672, p. 11.
- Van der Linden, L.**, (Application of seed treatment.) *Tuinbouwberichten* 15. 1951, 5—6.
- Verbruggen, A.**, (Seed disinfection in connection with disease control.) *Cult. en Handel* 17. 1951, 288—289.
- Volk, G. W., Wilson, J. H., and Haynes, J. L.**, For treating seeds, farmers ask: what about liquid fertilizers? *Agronomists find no important benefits. Ohio Farm and Home Res. (Ohio Stat.)* 36. 1951, nr. 268, p. 8—9.
- Williams, R. H.**, Seed treatment. [grass and legume seed] *Pennsylv. Farmer* 145. 1951, 254—255.
- Wokes, F., and Willimott, S. G.**, The determination of cyanides in seeds. *Pharm. J.* 167. 1951, 273.
- Yobe, R.**, Shall I treat my seed? *Prairie Farmer* 124 (123). 1951, nr. 2, p. 5.
- De behandeling van zaaizaad van granen en bieten met HCH bevattende middelen ter bestrijding van ritnaalden.** (Treatment of grain and beet seeds with HCH containing preparations for the control of wireworms.) *Netherl. plantenziektenkdg. Dienst Ber.* 938. 1951, 2 p.
- Ontsmetten van zaaizaad bij handelsgewassen.** (Treatment of seeds of plants grown commercially.) *Netherl. plantenziektenkdg. Dienst Ber.* 937. 1951, 2 p.
- Save farm grain by fumigation.** *U. S. Dept. Agric. Off. Inform. Farm Mobiliz. Fact Sheet* 1 (sup.). 1951, 3 p.

Bodendesinfektion Soil disinfection Désinfection du sol

- Allen, N., Bondy, F. F., Bullock, J. F., and Hall, E. E.**, Effect of soil treatments with DDT, benzene hexachloride, and toxaphene on tobacco, cotton, and cowpeas. *U. S. Dept. Agric. Techn. Bull.* 1047. 1951, 22 p.
- Allison, L. E.**, Vapor-phase sterilization of soil with ethylene oxide. *Soil Sci.* 72. 1951, 341—352, 3 fig.
- Arnason, A. P.**, Chemical control of soil insects. In: *Lectures and addresses given during Farm Week, Saskatchewan Univ.* 8.—11. 1. 1951 (Saskatoon 1951), 15—20.
- Badke, R.**, Großzügige Bodendämpfung durch Lokomobile. *Gartenwelt* 51. 1951, 193, 3 Abb.
- Barton, B. R.**, Soil fumigation. *Fruit, Veg. Rev.* 12. 1951, nr. 10, p. 13, 21.
- Beal, E. G.**, Soil sterilisation. *Queensland Prod.* 33. 1951, nr. 4a, p. 20. — *Grower, Adelaide*, 6. 1951, 22.
- Beal, E. G.**, Soil sterilisation; success with electricity. *Seed, Nursery Trader* 49. 1951, nr. 1, p. 26—27.
- Biron, R. A.**, Progress report on soil fumigation. *Down to Earth* 7. 1951, nr. 2, p. 6—9.
- Biteau, L., et Dalleinne, E.**, Stérilisation des sols chez les maraichers nantais. *Minist. Agric. France Bull. Techn. Inform.* 59. 1951, 321—326.

- Boorer, J. R.**, The action of mercury as a soil fungicide. *Ann. appl. Biol.* 38. 1951, 334—347, 12 fig.
- Bowman, L.**, Clorox treatment. [for nematodes] *Afr. Violet Mag.* 5. 1951, nr. 2, p. 40.
- Brook, T. B.**, The pros and cons of soil sterilisation. [mushrooms] *Grower*, London, 36. 1951, 859, 861.
- Canham, A. E.**, Electrode soil sterilizing (preliminary report). *Leatherhead, Surrey*, 1951, 11 p.
- Chard, A.**, et **George, L.**, Soil sterilization and disinfection. *Afr. Violet Mag.* 4. 1951, nr. 4, p. 36—37.
- Chattopadhyay, S. B.**, Control of post-emergence damping-off of vegetable seedlings. [Pythium aphanidermatum] *Sci. and Cult.*, Calcutta, 17. 1951, nr. 1, p. 37—38.
- Cicarone, A.**, La fumigazione del suolo. *Ital. Agric.* 88. 1951, 329—340.
- Cicarone, A.**, I nematodi e la fumigazione del suolo. *Inform. Fitopat.*, Bologna, nr. 9. 1951, 1—5, 4 fig.
- Cicarone, A.**, e **Ruggieri, G.**, Relazione su prove preliminari di pieno campo per la lotta contro i parassiti del terreno. (Preliminary field trials for the control of the soil parasites.) *Ann. Sperim. agr.*, Roma, n. ser. 5. 1951, 1063—1078, 5 fig. — *Boll. Staz. Pat. veg.*, Roma, 9 (3. ser.). 1951, 41—56.
- Eppig, J. J.**, Pass the penicillin. [Chloropicrin for soil sterilization] *Gladiolus* (New England Gladiolus Soc.) 26. 1951, 25—28.
- Ferguson, J.**, and **Wilhelm, St.**, Soil fumigation against *Verticillium albo-atrum*. *Phytopathology* 41. 1951, 939.
- Fortney, B.**, Soil sterilization with steam. *Afr. Violet Mag.* 5. 1951, nr. 2, p. 45.
- Greenwood, D. E.**, Recent progress in soil insecticides. *Virginia agric. Coll. Ext. Veg. Growers News* 6. 1951, nr. 5, p. 3—4.
- Guillou, R.**, Adjustment of soil-fumigant injectors with engine-driven pumps. *Agric. Engin.* 32. 1951, 26.
- Gurlev, A. S.**, (Disinfection of soil with steam in greenhouses and hotbeds.) *Sad i Ogorod* (Orchard and Garden) nr. 7. 1951, 64—65.
- Hanson, W. J.**, and **Nex, R. W.**, The diffusion of ethylene dibromide through soil. *Agric. Chem.* 6. 1951, nr. 9, p. 48.
- Hoppe, P. E.**, A new technic for incubating seed corn soil for disease tests. *Phytopathology* 41. 1951, 18, 747—751, 2 fig.
- Jacks, H.**, and **Hunter, J. A.**, Apparatus for low pressure steaming of nursery soil. *New Zealand J. Agric.* 82. 1951, 215—216.
- Jeffers, W. F.**, Soil fumigation — where are we now? *Better Farming Methods* 23. 1951, nr. 3, p. 72—73.
- Koch, L. W.**, Methyl bromide as a soil fumigant for disease, insect and weed control in tobacco and vegetable seed beds. *Down to Earth* 7. 1951, nr. 2, p. 2—3.
- Kopitke, J. C.**, Soil reborn; how methyl bromide has become an important tool in nursery culture. *Down to Earth* 7. 1951, nr. 3, p. 1—5.
- Lambert, E. B.**, Sterilizing casing soil with formaldehyde. *MGA Bulletin* 22. 1951, 72.
- Lear, B.**, Use of methyl bromide and other volatile chemicals for soil fumigation. *New York* (Cornell) *agric. Exp. Stat. Mem.* 303. 1951, 48 p.
- Lear, B.**, Work on soil fumigants continues. *Farm Res.* 17. 1951, 2.
- Linnasalmi, A.**, Några synpunkter angående jord-desinfektionsfungicidernas effektivitetsundersökningar. (Some points of view concerning studies on the efficiency of soil disinfection fungicides.) *Nord. Jordbr.forskn.*, København, nr. 2—3. 1951, 500—501.
- Miller, H. N.**, Soil sterilization. *Florida State hort. Soc. Proc.* 63 (1950). 1951, 190—192.
- Montagne, J. Th. W.**, et **Visser, G. H.**, Le DD employé pour la désinfection du sol. 1. *Conf. int. Lutte contre Parasites Plantes* 3.—6.10.1950 *Rom.* 1951, 420—429.
- Munnecke, D. E.**, Chemicals for soil fumigation. *Amer. Nurseryman* 94. 1951, nr. 7, p. 16, 18, 51—53.
- Munnecke, D. E.**, Chemical soil treatments for plant disease control. [chloropicrin, formaldehyde, methyl bromide] *Pacific Coast Nurseryman* 10. 1951, nr. 11, p. 13—14, 30—31.
- Newhall, A. G.**, Soil sterilizing flame. *Canad. Florist* 46. 1951, nr. 8, p. 17.
- Newhall, A. G.**, and **Schroeder, W. T.**, An economical flash-type continuous soil pasteurizer. *Phytopathology* 41. 1951, 28.
- Newhall, A. G.**, and **Schroeder, W. T.**, New flash-flame soil pasteurizer. *Cornell Univ. agric. Exp. Stat. Bull.* 875. 1951, 19 p., 9 fig.
- Newhall, A. G.**, and **Schroeder, W. T.**, A new soil pasteurizer. *Farm Res.* 17. 1951, 3.
- Pich, C.**, (On the results of different treatment of soils in the fall 1950 and spring 1951, before growing tomatoes and cucumbers.) [fumigation] *Gärtnertidende* 67. 1951, 443—445.
- Pis'mennyi, N.**, Sterilization of soil infected with a fungus (*Fusarium*). *Lesn. chosjaistwo* 4. 1951, nr. 7, p. 87.
- Pochon, J.**, **Lajudie, J.**, et **Coppier, O.**, Remarques sur les recherches relatives à l'action de certaines substances antiparasitaires sur la microflore du sol. *Ann. Inst. Pasteur, Paris*, 80. 1951, 517—519.
- Read, F. G.**, The old-timers can teach us a thing or two; building up of resistance to disease in the glass-house by the handling of the soil. *Smallholder* 84. 1951, nr. 2130, p. 11; nr. 2131, p. 11

Reed, J. P., Soil insecticide plots at Tantum Farm, Clarksburg, New Jersey. Jul. Hyman & Comp., Denver (Colorado) 1951. 4 p.

Salter, R. M., Recent research on the use of agricultura, chemicals. [soil fumigants] U.S. Dept. Agric. Burl Plant Ind., Soils, agric. Engin., Washington. 1951, 19 p.

Schumacher, G., Bekämpfung von Bodenschädlingen. Gesunde Pflanzen 3. 1951, 237—239.

Siegel, J. J., Erikson, A. E., and Turk, L. M., Diffusion characteristics of 1-3-dichloropropene and 1-2, dibromoethane in soils. [Bodenentseuchungsmittel] Soil Sci. 72. 1951, 333—340.

Sikes, L. M., Sterilization of small amounts of soil. Amer. Primrose Soc. Quart. 9. 1951, 29.

Spoelstra, P. A., (Steam sterilisation of soils.) Meded. Dir. Tuinbouw, Wageningen, 14, 1951, 566—575.

Starnes, O., Reed, J., and Filmer, R. S., An improved fumigant applicator. New Jersey State hortic. Soc. hortic. News 32. 1951, 2341, 2343, 2354.

Stone, Ph. C., and Smith, G. E., Preliminary insecticide-fertilizer soil treatments. J. econ. Ent. 44. 1951, 810—811.

Stoumont, A. D., (Soil disinfection.) Cult. en Handel 17. 1951, 131—132.

Stover, R. H., and Koch, L. W., Methyl bromide as a soil fumigant for controlling diseases and weeds in tobacco seedbeds. Proc. canad. phytopath. Soc. 18. 1951, 19 (Abstr.).

Suggitt, J. W., Chemical soil sterilization for stoned areas. Hydro Res. News 3. 1951, 16—19.

Tiedjens, V. A., and Greenwood, D. E., Soil use of new insecticides. Agric. Bull. (Shell) ADB. 155. 1951, 12 p.

Turner, M., Some exploratory methods in soil fumigation. Calif. Fig Inst. Proc. Ann. Res. Conf. 5. 1951, 54—55.

Warcup, J. H., Effect of partial sterilization by steam or formalin on the fungus flora of an old forest nursery soil. Trans. brit. mycol. Soc. 34. 1951, 519—532, 3 fig., 1 tab.

Warcup, J. H., Soil-steaming: A selective method for the isolation of Ascomycetes from soil. Trans. brit. mycol. Soc. 34. 1951, 515—518.

Watts, J. G., Soil insect control in Southeast by mixtures of pesticides and fertilizers. Agric. Chem. 6. 1951, nr. 4, p. 36—38, 115—117.

Winters, H. F., Fumigation of cinchona nursery soils. [Phytophthora spp.] Turrialba Rev. Inst. Cienc. agric. 1. 1951, 296—299, 2 fig.

La désinfection du sol en grande culture dans les prairies et herbages. Techn. agric. nr. 40. 1951, 28—30.

b. Biologische Bekämpfung Biological control — Lutte biologique

Allgemeiner Teil General part — Partie générale

Arnoldi, K. W., O nekotorych sakanomernostjach sloshenija entomo-komplksow biozenosow pri stepnom lesoraswdenii. (Über einige Gesetzmäßigkeiten in der Zusammensetzung von entomologischen Komplexen der Biozönosen im Steppenwaldbau.) Sool. Shurnal 30. 1951, 289—291.

Betrem, J. G., (The commission for research on biological control.) Ent. Ber. 13. 1951, 237—238.

Blunck, H., Parasiten und Hyperparasiten von Pieris rapae L. Ztschr. Pfl.krankh. 58. 1951, 25—54, 14 Abb.

Brandt, H., Möglichkeiten und Grenzen der biologischen Schädlingsbekämpfung. Pflanzenschutz, München, 3. 1951, 54—56.

Bühler, C., Naturgemäße Schädlingsverhütung im Land- und Gartenbau. Genossensch. biol. Landbau, Winterthur 1951. 24 S.

Burman, J. H., Control of insect pests. 2. Mobilising natural enemies. Mother Earth 5. 1951, nr. 3, p. 39—43.

Busbey, R. L., Plants that help kill insects. U.S. Dept. Agric. Yearb. 1950. 1951, 765—771.

Clausen, C. P., The time factor in biological control. J. econ. Ent. 44. 1951, 1—9.

Cole, T. V., and Muldrew, J. A., The factors of host distribution and time in biological control. I—II. Manitoba ent. Soc. Proc. 7. 1951, 35—43.

Cortés P., R., Reseña acerca del control biológico de plagas de la agricultura en Chile. 1. Conf. int. Lutte contre Parasites Plantes 3.—6. 10. 1950 Rom. 1951, 389—392.

Cory, E. N., McConnell, H. S., Arbuthnot, K. D., and Jones, D. W., Parasites of the European corn borer (Pyrausta nubilalis) in Maryland. Maryland agric. Exp. Stat. Bull. A 72. [1951], 13 p.

Darpoux, H., et Faivre-Amiot, A., Antagonismes microbiens et substances antibiotiques dans la lutte contre les maladies des plantes. Int. Congr. Crop Prot. Proc. 2 (1949). 1951, 86—93.

DeBach, P., Possibilities in biological control of citrus pests. Rio Grande Valley hortic. Inst. Proc. 5. 1951, 77—80.

DeBach, P., and Bartlett, B., Effects of insecticides on biological control of insect pests of citrus. J. econ. Ent. 44. 1951, 372—383, 3 fig.

De Rouze, I., Importancia de la lucha biológica en el control de los insectos nocivos. Res 19. 1951, 26019—26020.

- Fedorintschik, N. S.**, (Die Bedeutung der Antagonisten bei Unterdrückung der durch den Boden übertragbaren Krankheitserreger.) (Arb. allruss. Inst. Pfl.-schutz, Moskau-Leningrad), Liefg. 3. 1951, 69—73, 1 Abb.
- Fox, I.**, Relative and seasonal abundance of the common rat ectoparasites of San Juan, Puerto Rico. *J. Parasitol.* 37. 1951, 85—95.
- Franz, J.**, Die modernste Forschungsstätte für biologische Schädlingsbekämpfung. *Umschau* 51. 1951, 114—115, 1 Abb.
- Franz, J.**, Möglichkeiten und Grenzen der biologischen Schädlingsbekämpfung. *Pflanzenschutz*, München, 3. 1951, 100—102.
- Franz, J.**, Schädlingsbekämpfung ohne Gift. Europa hilft Amerika. *Umschau* 51. 1951, 590—591, 5 Abb.
- Fullaway, D. T.**, Review of the Indo-Australasian parasites of the fruit flies (Tephritidae). *Proc. hawaiian ent. Soc.*, Honolulu, 14. 1951, 243—250.
- Gauß, R.**, Die Feinde der Douglasienwollaus. Aus der Heimat 58. 1950, 262—271.
- Gerritsen, C.**, (Culture and biological control.) [insects and rodents] *Volkstuin* 34. 1951, 18.
- Grebensčikov, I.**, Über biologische Schädlingsbekämpfung (an Beispielen aus der neueren sowjetischen Literatur). *Urania* 14. 1951, 329—335.
- Griot, M.**, La lucha biológica contra el bicho de cesto (*Oiketicus kirbyi*) y la posibilidad de su empleo. *Cienc. e Invest.* 7. 1951, 195—202.
- Groves, J. R.**, A synopsis of the world literature on the fruit tree red spider mite *Metatetranychus ulmi* (C. L. Koch, 1835) and its predators. With a brief review of the problem by A. M. Massee. *Commonw. Inst. Ent.*, London 1951. 180 p.
- Hatfield, S.**, Biological invention. [biological control of insects] *Westralian Farmers Co-op Gaz.* 21. 1951, 367, 369—370.
- Henze**, Biologische Krähen- und Elsternbekämpfung im Mai. *Anz. Schäd.l.kunde* 24. 1951, 86—87.
- Hincks, W. D.**, Some insects from Dovedale, Derbyshire. 1. Beetles associated with *Polyporus squamosus* (Huds.) Fr. 2. *Gasteruption jaculator* (L.). 3. Some parasitic Hymenoptera. *J. Soc. brit. Ent.*, Derbyshire, 3. 1951, 279—281.
- Ilmurzyński, E.**, Wpyw nowej biologii na metody pielegnowania lasu. (Einfluß der neuen Biologie auf die Methoden der Waldpflege.) *Las Polski* 1951, 2—5.
- Jourdheuil, P.**, Développement sur le colza de maladies bactériennes et cryptogamiques à la suite d'attaques larvaires de l'altise *Psylliodes chrysocephala* L. *Compt. rend. Acad. Sci.*, Paris, 232. 1951, 1963—1964.
- Kamal Bey, M.**, Biological control projects in Egypt, with a list of introduced parasites and predators. *Bull. Soc. Fouad I^{er} Ent.*, Cairo, 35 (44). 1950—51, 205—220.
- Kochler, W.**, Biologiczne metody walki ze szkodnikami lasow w ZSRR. (Biologische Methode zur Bekämpfung der Waldschädlinge in der UdSSR.) *Las Polski* 1951, 10—15.
- Lehle, H.**, Wege und Ziele der biologischen Schädlingsbekämpfung. *Württ. Wochenbl. Landw.* 118. 1951, 988.
- MacLagan, D. St.**, Modern insecticides and the balance of nature. *Nature*, London, 168. 1951, 360—362.
- McLeod, J. H.**, Biological control investigations in British Columbia. *Proc. ent. Soc. Brit. Columbia* 47. 1951, 27—36.
- McLeod, J. H.**, Notes on the lodgepole needle miner, *Recurvura milleri* Busck (Lepidoptera: Gelechiidae), and its parasites in western North America. *Canad. Entomologist* 83. 1951, 295—301, 1 tab. geogr.
- Marucci, P. E., Van den Bosch, R., Chong, M., and Clancy, E. W.**, Notes on parasites of fruit flies. *Proc. hawaiian ent. Soc.* 14. 1951, 371—375.
- Menke**, Biologische Schädlingsbekämpfung oder Giftaktion. *Staats-Ztg. u. Staatsanz. Rheinl.-Pfalz* 2. 1951, Nr. 18.
- Münch, H.**, Zur biologischen Bekämpfung des Kartoffelkäfers (*Leptinotarsa decemlineata*). *Urania* 14. 1951, 192—194.
- Musgrave, A. J., and Miller, J. J.**, A note on some preliminary observations on the effect of the antibiotic Terramycin on insect symbiotic micro-organisms. *Canad. Entomologist* 83. 1951, 343—345.
- Newhook, F. J.**, Microbiological control of *Botrytis cinerea* Pers. I. The role of pH changes and bacterial antagonism. II. Antagonism by fungi and actinomycetes. *Ann. appl. Biol.* 38. 1951, 169—202, 2 fig.
- Niethammer, A., Berninger, M., and Krehl-Nieffer, R.**, Mikrobiologische Heilmittel, Antibiose und antagonistische Erscheinungen. *Franck'sche Verl.handl.*, Stuttgart 1951. 112 S.
- Nosek, J.**, (Biocenological problems of the bark beetle fauna of Jeseníky-Mountains.) *Vysoká Šk. Zeměděl. Lesn. Sborn.*, Brunn, 3/4. 1951, 103—117.
- Novitzky, S.**, L'organizzazione della lotta biologica contro i parassiti vegetali e le erbe infestanti in Europa. 1. Conf. int. Lutte contre Parasites Plantes 3.—6. 10. 1950 Rom. 1951, 430—434.
- Ohira, H.**, (Notes on the sweet-potato leaf folder (*Brachmia macroscopa*) and its natural enemies. (Preliminary report.) *Oyo-Kontyu* 7. 1951, 63—64 (Abstr.).
- Paintner, R. H.**, Insect resistance in crop plants. *Macmillan Comp.*, New York 1951. XI + 520 p., 67 fig.

- Pfützenreiter**, Beobachtungen zur Frage der biologischen Engerlingsbekämpfung. Bad. landw. Wochenbl. 118. 1951, 567—568. — Württ. Wochenbl. Landw. 118. 1951, 746—747.
- Piemesel, R. L., and Carsner, E.**, Replacement control and biological control. Science 113. 1951, nr. 2923, p. 14—15.
- Reichmuth, W.**, Über biologische Erscheinungen des unterschiedlichen Verhaltens von Insekten unter dem Einfluß biotischer und antibiotischer Faktoren. 9. int. Congr. Ent., Amsterdam, 6. 1951, 10—11.
- Ripper, W. E., Greenslade, R. M., and Hartley, G. S.**, Selective insecticides and biological control. J. econ. Ent. 44. 1951, 448—459, 11 fig.
- Roehrich, R.**, Parasites et prédateurs du criquet migrateur (*Locusta migratoria gallica* Rem.) dans les Landes de Gascogne de 1945 à 1950. Ann. Épi-phyties (Ann. Inst. nat. Rech. agron. sér. C), Paris, 2. 1951, 479—495, 7 fig.
- Rohde, G.**, Biologische Bekämpfung der pflanzen-schädigenden Insekten auf fruchtbaren Böden. Dtsch. Landw. 2. 1951, 324—327.
- Russo, G.**, (Biological control of vegetable pests in Italy.) Lab. Ent. Agr. »Filippo Silvestri« Boll. 10 (1950). 1951, 86—97.
- Russo, G.**, La lotta biologica contro i parassiti animali dei vegetali in Italia. 1. Conf. int. Lutte contre Parasites Plantes 3.—6. 10. 1950 Rom. 1951, 213—220. — Italia agric. 88. 1951, 293—299.
- Saint Saenz, C.**, Hay que respetar los insectos. Selec. Rur. 6. 1951, 101—104.
- Santoro de Crouzel, I.**, La lucha biológica contra insectos. Res 19. 1951, 26354—26356.
- Schmutterer, H.**, Zur Lebensweise der Nadelholz-Diaspidinen (Homoptera, Coccoidea, Diaspididae, Diaspidinae) und ihrer Parasiten in den Nadelwäldern Frankens. Ztschr. angew. Ent. 33. 1951, 111—136, 10 Abb.
- Schneider, F.**, Einige physiologische Beziehungen zwischen Syrphidenlarven und ihren Parasiten. Ztschr. angew. Ent. 33. 1951, 150—162, 6 Abb.
- Schwerdtfeger, F.**, Die natürliche Regelung der Populationsdichte bei den Forstinsekten. 9. int. Congr. Ent., Amsterdam, 1951, 35—36.
- Scognamiglio, A.**, (The establishment in Portici of the national center of biological control.) Tecn. Agr. 3. 1951, 74—76.
- Scognamiglio, A.**, (The institution in Portici of the national center of biological control.) Humus (ital.) 7. 1951, nr. 7, p. 23.
- Sellers, W. F.**, The limitations of biological control of the sisal weevil (*Scyphophorus acupunctatus*). East afr. agric. J. 16. 1951, 175—177.
- Shackleton, P.**, Disease — timber's new ally. [biological control of forest insects] Canad. Business 24. 1951, nr. 3, p. 48—50, 82—83.
- Simmonds, H. W.**, Observations on the biology and natural control of the black scale of citrus, *Saissetia oleae* (Bern.) in South Australia. J. South Austr. Dept. Agric. 54. 1951, 339—342.
- Smit, B.**, The spread of harmful and beneficial insects in Africa. South afr. J. Sci. 47. 1951, 266.
- Steinhaus, E. A.**, Report on diagnoses of diseased insects 1944—1950. Hilgardia 20. 1951, 629—676, 23 fig.
- Swart-Füchtbauer, H., und Rippel-Baldes, A.**, Die bakterielle Wirkung des Sonnenlichtes. Arch. Mikro-biol. 16. 1951, 358—362.
- Tardrew, C. G.**, The biological control of the Karoo caterpillar (*Loxostege frustalis*). Farming South Afr. 26. 1951, 165—168.
- Thompson, W. R.**, A catalogue of the parasites and predators of insect pests. Section 1: Parasite host catalogue. Part II. Neuroptera to Thysanoptera. Section 2: Host parasite catalogue. Part I. Hosts of the Coleoptera and Diptera. Commonw. Bur. biol. Control, Ottawa 1951. 35 + [1 +] II + 147 p.
- Thompson, W. R.**, The time factor in biological control. Canad. Entomologist 83. 1951, 230—240.
- Tischler, W.**, Der biozönotische Konnex. Biol. Zentralbl. 70. 1951, 517—523, 2 Abb.
- Tischler, W.**, Die Hecke als Lebensraum für Pflanzen und Tiere, unter besonderer Berücksichtigung ihrer Schädlinge. Erdkunde 5. 1951, 125—132.
- Tischler, W.**, Kettenreaktionen im biologischen Geschehen und ihre Bedeutung für die Schädlingsbekämpfung. Umschau 51. 1951, 545—547, 1 Taf.
- Tremblé, A. G., and Batkina, E. I.**, (In regard to predators and parasites of *Eurygaster integriceps*.) Zool. Zhurn. 30. 1951, 190—192.
- Tucker, W. E.**, A twenty-year record of the biological control of one sugar-cane pest (*Diatraea saccharalis*). Proc. int. Soc. Sugar-Cane Technol. 7. 1951, 343—354.
- Turček, F. J.**, Nový škodca listnáčov: priateľník jesenný (*Hyphantria cunea* Drury) na Slovensku. Polana 7. 1951, 4—7, 21.
- Vietinghoff-Riesch, A. v.**, Vertilgerkreise einiger forstlicher Großschädlinge. Vortr. Hochsch.woche Hannover-Münden 1951, 62—66.
- Voûte, A. D.**, Zur Frage der Regulierung der Insektenpopulationsdichte durch räuberische Tierarten. Ztschr. angew. Ent. 33. 1951, 47—52.
- Wade, J. S.**, A selected bibliography of the insects of the world associated with sugar-cane, their predators and parasites. Int. Soc. Sugar-Cane Technol. Mem. 1. 1951.

- Wahlén, B., Något om moderna växtskyddsåtgärder och deras inverkan på balansen i naturen. Lantbruks-akad. Tidskr., Uppsala, 1951, 161—175.
- Wautier, J., Un aspect particulier de la dynamique des biocoenoses, le rythme d'activité. Bull. Soc. Hist. Nat. Toulouse 86. 1951, 69—72.
- Weber, A., Schädlingsbekämpfung — biologisch oder chemisch? Südwestdsch. Imker 3. 1951, 194.
- Wemmert, N., (New methods for controlling insects in fall rape.) [biological control] Lantmannen (swed.) 35. 1951, 597—598.
- Wiktowow, G. A., Parasyty akaziewoj ogniewki (Etiella zinckenella Tr.) w Stalingradskoj oblasti. (Parasiten von Etiella zinckenella Tr. im Gebiet Stalingrad.) Scol. Shurnal 30. 1951, 385—390.
- Wilson, M. C., The status of exotic European corn borer parasites in Indiana. [on *Pyrausta nubilalis*] Proc. Indian Acad. Sci. 60 (1950). 1951, 222—225.
- Winter, G., Natürliche Bekämpfung der Pflanzenschädlinge. Neue Ztg., Frankfurt/M., 31. Okt. 1951, 1 S.
- Yasumatsu, K., (On the natural enemies of *Ceroplastes rubens* Maskell. 2.) Oyo-Kontyu 7. 1951, 61 (Abstr.).
- Cabbage white butterfly parasites. [on *Pieris rapae*] J. Dept. Agric. South Austr. 55. 1951, 68, 1 fig.
- What is biological control? Calif. Citrogr. 36. 1951, 351, 368.
- Natürliche Feinde der Pflanzenschädlinge**
Natural enemies of plant parasites
Ennemis naturels des parasites de plantes
- Bacteria, Myxomycetes**
- Davydov, P. N., (Bacterial method for the control of powdery mildew (*Sphaerotheca*) in gooseberries.) [spraying] Sad i Ogorod (Orchard and Garden) nr. 6. 1951, 34—36.
- Davydov, P. N., (The use of mycolytic bacteria for the control of American powdery mildew on gooseberry and of some other plant diseases.) Lenin Acad. agric. Sci. Rept. 1951, nr. 9, p. 35—38.
- Ellis, H., New killer for alfalfa caterpillar (*Colias philodice eurytheme*). [a spore-forming bacterium in California] Successful Farming 49. 1951, nr. 9, p. 114—115.
- Jacobs, S. E., Bacteriological control of the flour moth, *Ephestia kuehniella* Z. Proc. Soc. appl. Bact. 13 (1950). 1951, 83—91.
- Klement, Z., Kísérletek baktériumok felhasználására az amerikai fehér szövőlepkre elleni biológiai védekezésben. (Expériences relatives à l'utilisation des bactéries dans la lutte biologique contre la nonne américaine (*Hyphantria cunea* Drury). Mezőgazdasági kísérletiügyi központ évkönyvéből 3. 1951, 118—127.
- Krstić, M., (Sur une propriété antibiotique éphémère d'un bacille sporulé contre le mycelium de *Lenzites quercina*.) Saschtita Bilja (Plant Prot.), Beograd, nr. 5. 1951, 13—17, 3 tab.
- Matkovskij, S. T., (Control of *Orobancha* with the aid of *Phytomyza*.) Sovet. Agron. 9. 1951, nr. 8, p. 92—93.
- Mori, Sh., (On the influence of hydrogen-ion concentration of culture Media upon the antagonistic action of *Streptomyces allus* to plant disease fungi.) [against *Ophiobolus Miyabeanus*, *Diaporthe Bata-tatis*, *Corticium centrifugum*] Ann. phytopath. Soc. Japan 15. 1951, 137—140.
- Ramakrishnan, S. P., and Prakash, S., Susceptibility of the Indian garden squirrel (*Sciurus palmarum*) to *Plasmodium berghei* and its asexual periodicity. Nature, London, 167. 1951, 533.
- Steinhaus, E. A., Pest control by bacteria; alfalfa caterpillar (*Colias philodice eurytheme*) in field reduced to sub-economic levels within two days by bacillus applied as spray. [Bacillus thuringiensis] Calif. Agric. 5. 1951, nr. 6, p. 5.
- Steinhaus, E. A., Possible use of *Bacillus thuringiensis* Berliner as an aid in the biological control of the alfalfa caterpillar. [Colias philodice eurytheme] Hilgardia 20. 1951, 359—381, 12 fig.
- Steiniger, F., Neue Beobachtungen zur Frage der bakteriellen Nagetierbekämpfung. Mitt. Biol. Zentralanst., Berlin-Dahlem, H. 70. 1951, 133—135.
- White, R. T., and McCabe, P. J., Colonization of the organism causing milky disease of Japanese beetle larvae, 1939—1949. U.S. Dept. Agric. Bur. Ent., Plant Quar. E 816. 1951, 10 p.
- Fungi**
- Box, H. E., y Pontis Videla, R. E., Apuntes sobre el hongo entomogeno *Beauveria bassiana* (Mont.) Vuill., parásito de *Diatraea* en Venezuela. (Notes on the entomogenous fungus *Beauveria bassiana* (Mont.) Vuill., parasitic on *Diatraea* in Venezuela.) Agron. trop., Maracay, 1. 1951, 233—236, 1 fig.
- Butler, E. E., and King, T. H., Fungus parasitism by *Rhizoctonia*. Phytopathology 41. 1951, 5.
- Dodge, B. O., A fungus (*Beauveria*) capable of parasitizing wharf-piling borers (*Nacerda melanura*). Bull. Torrey bot. Club 78. 1951, 201—205, 1 fig.
- Dresner, E., The toxic effect of *Beauveria bassiana* (Bals.) Vuill. on insects. Ohio State Univ. Abs. Doct. Diss. 61. 1951, 117—122.
- Duddington, C. L., *Dactylella lobata*, predacious on nematodes. Trans. brit. mycol. Soc. 34. 1951, 489—491, 1 fig.
- Duddington, C. L., The ecology of predacious fungi. I. Preliminary survey. Trans. brit. mycol. Soc. 34. 1951, 322—331.

- Duddington, C. L.**, Further records of British predacious fungi. II. Trans. brit. mycol. Soc. 34. 1951, 194—209, 8 fig.
- Duddington, C. L.**, Two new predacious Hyphomycetes. [Anthrobotris robusta n. sp. and Trichotecium cystosporium sp. capturing nematodes] Trans. brit. mycol. Soc. 34. 1951, 598—603, 5 fig.
- Fisher, F. E.**, A fungus disease of purple mites. Florida Ent. 34. 1951.
- Goldie-Smith, E. K.**, A new species of Sorodiscus (S. cokeri) on Pythium. J. Elisha Mitchell Sci. Soc. 67. 1951, 108—121.
- Goodey, J. B.**, A new species of hyphomycete attacking the stem eelworm Ditylenchus dipsaci. Trans. brit. mycol. Soc. 34. 1951, 270—272, 1 fig.
- Heim, R., et Buchli, H.**, Un champignon (Antennopsis gallica) parasite du termite de Saintonge (Reticulitermes sp.). Compt. rend. Acad. Sci., Paris, 232. 1951, 277—280.
- Mains, E. B.**, Entomogenous species of Hirsutella, Tilachlidium and Synnematum. Mycologia, Lancaster, 43. 1951, 691—718, 20 fig.
- Mains, E. B.**, Notes concerning entomogenous fungi. Bull. Torrey bot. Club 78. 1951, 122—133.
- Prowse, G. A.**, On Rozellopsis septigena. Trans. brit. mycol. Soc. 34. 1951, 400—405, 2 fig., 1 tab.
- Ribaldi, M.**, Osservazioni preliminari sui caratteri morfologici e sulle proprietà antibiotiche di Myrothecium verrucaria (Alb. et Schw.) Ditmar. (Preliminary observations on the morphological characters and antibiotic properties of Myrothecium verrucaria (Alb. et Schw.) Ditmar.) Ann. Fac. Agr. Perugia 7. 1951, 10 p., 3 tab.
- Rockwood, L. P.**, Entomogenous fungi of the genus Metarrhizium on wireworms in the Pacific Northwest. Ann. ent. Soc. Amer. 43 (1950). 1951, 495—498.
- Rockwood, L. P.**, Some hyphomycetous fungi found on insects in the Pacific Northwest. [Beauveria spp.] J. econ. Ent. 44. 1951, 215—217.
- Srinivasan, K. V.**, A hyperparasite on two species of Kordyana Rac. [Monotrichum commelinae on Kordyana on Commelina benghalensis] Curr. Sci., Bangalore, 20. 1951, 276.
- Sussman, A. S.**, Studies of an insect mycosis. I. Etiology of the disease. II. Host and pathogen ranges. [Aspergillus flavus Link on Platysamia cecropia L.] Mycologia, Lancaster, 43. 1951, 338—350, 423—429, 3 fig.
- Tateishi, I., Murata, T., and Hisano, S.**, (On the parasitism of muscardine to the larva of Chilo simplex.) [Isaria farinosa and other entomogenous fungi listed] Kyushu Noji Shikinjo 8. 1951, 93—94.
- Thornton, H. G.**, Soil Microbiology Department. [Actinomycetes inhibit Fusarium culmorum] Rothamsted Exp. Stat. Rept. 1950. 1951, 50—54.
- Weiser, J.**, Příspevek k poznání plísni cizopasících v hmyzu. (Contribution to the knowledge of fungi parasiting in insects.) [Massospora (order Entomophthoraceae) on Zygaena carniolica] Ent. Listy (Folia ent.), Brno, 14. 1951, 130—135, 5 fig.

Mollusca, Arthropoda

- Balachowsky, A. S.**, Los insectos auxiliares fitofagos. Siembra, Madrid, 7. 1951, nr. 4, p. 17—19.
- Barnes, H. F.**, A new gall midge (Dipt., Cecidomyiidae) predaceous on the flour mite, Tyroglyphus farinae (Deg.). Bull. ent. Res. 42. 1951, 565—566.
- Barnes, H. F.**, Worm-eating slugs. Country-Side 16. 1951, 70—74.
- Beard, R. L.**, What makes a good insecticide? Habrobracon gives a clue. Frontiers Plant Sci. 3. 1951, nr. 2, p. 2.
- Beatty III, G. H.**, Odonate bionomics. I. Notes on the food of dragonflies. 1. Odonata vs. ants and bees. Bull. Brooklyn ent. Soc. 46. 1951, 29—38.
- Berry, P. A.**, Biology and habits of cotton stainers (Hemiptera: Dysdercus spp.), their natural enemies in South America, and two parasitic flies (Acaulona peruviana and Hyalomya chilensis) imported into Puerto Rico. Rev. Ent. 22. 1951, 329—342.
- Bhatnagar, S. P.**, Descriptions of new and records of known Chalcidoidea (parasitic Hymenoptera) from India. Indian J. agric. Sci. 21. 1951, 155—178.
- Biliotti, E.**, Remarques biologiques sur Monodontomerus aereus Walker (Hym. Torymidae). Rev. Zool. agric. appl. 1951, nr. 7—9, p. 49—50.
- Blair, K. G.**, Eupelmus eurozonus Dahlb. (Hym., Chalcidoidea) in galls of Rhodites rosae L. (Hym., Cynipidae). Ent. monthly Mag., London, 87. 1951, 174—175.
- Box, H. E.**, Palpozenillia Palpalis (Aldr.), a tachinid parasite of sugar-cane moth borers (Castnia and Diatraea). Proc. hawaiian Soc. 14. 1951, 485—490.
- Boyce, H. R., and LeRoux, E. J.**, A note on dipterous predators of the European red mite, Metatetranychus ulmi (Koch). Canad. Entomologist 83. 1951, 332.
- Brandt, H.**, Tierische Nützlinge im Obst- und Gemüsegarten. [Insekten] Fruchtbare Erde 8. 1951, 32 S.
- Brauns, A.**, Die Schmarotzerinsekten bei der Bekämpfung wirtschaftlicher Schädlinge. Gesunde Pflanzen 3. 1951, 30—32.
- Bray, B.**, Battle is Texan's answer to green-bugs (Toxoptera graminum). [use of lady-bugs] Flying Plowman 5. 1951, nr. 6, p. 7.

- Breakey, E. P., Natural control of the orange tortrix in western Washington. [Argyrotaenia citrana] J. econ. Ent. 44. 1951, 424.
- Bruner, S. C., Reseña del control biológico de plagas en Cuba. [insects] Bol. Hist. nat., Habana, 2. 1951, nr. 5, p. 37—43.
- Bruner, S. C., y Valdés Barry, E., Notas sobre el control biológico del picudo negro del platano (*Cosmopolites sordidus*). Rev. Cuba Minist. Agric. 34 (ser. 8). 1949/1951, 90—99.
- Bugbee, R. E., New and described parasites of the genus *Eurytoma* Illiger from rose galls caused by species of the cynipid genus *Diplolepis* Geoffroy (Hymenoptera: Eurytomidae). Ann. ent. Soc. Amer. 44. 1951, 213—261.
- Bugbee, R. E., A new genus (*Tenuipetiolus*) of two previously described and two new species of the family Eurytomidae bred from cynipid and dipterous hosts. J. Kansas ent. Soc. 24. 1951, 37—45.
- Bunker, H. P., and Speicher, B. R., Inheritance of physiological activity in *Habrobracon*. Genetics 36. 1951, 545.
- Busch, Th., *Anilasta vulgaris* Tschek als Parasit des großen Kohlweißlings (*Pieris brassicae* L.). Ent. Ztschr., Frankfurt a. M., 61. 1951, 97—100, 2 Abb.
- Cameron, E., The biology and economic importance of *Alomya debellator* (F.), a remarkable parasite of the swift moth, *Hepialus lupulinus* (L.). [biological control of Hepialids] Bull. ent. Res. 41. 1951, 429—438, 5 fig.
- Cameron, E., On the identity of an Ichneumonid parasite of *Hepialus lupulinus* (L.). Bull. ent. Res. 41. 1951, 637.
- Clark, A. M., and Mitchell, C. J., Radiosensitivity of haploids and diploids of *Habrobracon*. Genetics 36. 1951, 547.
- Colaco, A. T. F., (Man and insects.) [insects as pests and beneficial insects] Agência Geral Ultramar, Bol. Geral Ultramar (Portugal) 27. 1951, nr. 318, p. 357—373.
- Collyer, E., The separation of *Conwentzia pineticola* End. from *Conwentzia psociformis* (Curt.), and notes on their biology. Bull. ent. Res. 42. 1951, 555—564, 4 fig., 1 tab.
- Cooreman, J., Sur quelques acariens vivant parmi les colonies de coccides au Maroc. Rev. Path. vég. Ent. agric. France 30. 1951, 30—34, 1 fig.
- Cumber, R. A., The introduction into New Zealand of *Microphanus basalis* Woll. (Scelionidae: Hym.), eggparasite of the green vegetable bug, *Nezara viridula* L. (Pentatomidae). New Zealand J. Sci., Technol. (B) 32. 1951, nr. 5, p. 30—37.
- Cutright, C. R., Comstock mealybug in Ohio. J. econ. Ent. 44. 1951, 123—124.
- DeBach, P., Fleschner, C. A., and Dietrick, E. J., A biological check method for evaluating the effectiveness of entomophagous insects. J. econ. Ent. 44. 1951, 763—766.
- Domenichini, G., (Parasites and hyperparasites of *Pseudococcus citri* Risso in Italy and Peru.) [Aenasius masii, Grandoriella lamasii] Boll. Zool. agric., Bachicoltura. 17. 1951, 157—180.
- Doutt, R. L., Biological control of mealybugs infesting commercial greenhouse gardenias. [Exochomus flavipes, Anagrus kivuensis, Chrysopa californica against *Pseudococcus citri*; Metaphycus helvolus, Encyrtus infelix against *Saissetia hemisphaerica*] J. econ. Ent. 44. 1951, 37—40, 1 fig.
- Eddy, B., What good are insects. Outdoors Illustr. 4. 1952, 71—75.
- Fahringer †, J., Zwei neue Braconinen aus der palaearktischen Region. [Doryctes reinhardi, Bracon velbingeri] Beitr. Ent., Berlin, 1. 1951, 65—69.
- Ferrière, Ch., Deux nouveaux parasites des œufs de *Locusta migratoria migratorioides* en Afrique. [Scelio sudanensis, S. remaudierei] Bull. Soc. ent. France 56. 1951, 114—118, 4 fig.
- Ferrière, Ch., A new genus of Pteromalidae (Hym.), parasitic on the alder wood-wasp, *Xiphydria camelus* L., found in Norfolk, England. Entomologist's mon. Mag. 87. 1951, 322—324, 2 fig.
- Ferrière, Ch., Parasites des œufs d'un Saturnide à Madagascar. Mém. Inst. sci. Madagascar (Sér. A) 5. 1951, 263—268, 2 fig.
- Filipponi, A., (Stylocephalid parasites (Gregarinida) of blaps (Tenebrionidae) and a method of studying them.) Riv. Parasit. (ital.) 12. 1951, 155—161.
- Finlayson, L. H., The biology of *Cephalonomia waterstoni* Gahan (Hym., Bethyridae), a parasite of *Laemophloeus* (Col., Cucujidae). [Laemophloeus minutus (Oliv.), a pest of Trichogramma] Bull. ent. Res. 41. 1951, 79—97.
- Fisher, F. E., An Entomophthora attacking citrus red mite. Florida Ent. 34. 1951, nr. 3, p. 83—88, 1 fig.
- Flanders, S. E., Citrus mealybug (*Pseudococcus citri*), four new parasites studied in biological control experiments. Calif. Agric. 5. 1951, nr. 7, p. 11.
- Flanders, S. E., Prospaltella as a secondary parasite of mealybugs. [Pseudococcus nipae] J. econ. Ent. 44. 1951, 810.
- Fleschner, C. A., and Badgley, M. E., Natural control of the citrus rust mite (Phyllocoptura oleivora). Calif. Citrogr. 36. 1951, 396.
- Friederichs, K., Über karnivore Elateridenlarven und ihre Bedeutung im Pflanzenschutz. Ztschr. angew. Ent. 33. 1951, 168—172.

- Fullaway, D. T.**, Review of the Indo-Australasian parasites of the fruit flies (Tephritidae). [Opus spp.] Proc. hawaiian. ent. Soc. 14 (1950). 1951, 243—250.
- Gaines, J. C.**, Beneficial insects' role in cotton insect control. Acco Press 29. 1951, nr. 3, p. 22—24.
- Göswald, K.**, Die Rote Waldameise, ihre wirtschaftliche Bedeutung und Vermehrung. Vortr. Bez.-gruppen-Versamml. bayer. Forstver., Lohr a./M., 3. 7. 1951, 5 S.
- Göswald, K.**, Zur Biologie, Ökologie und Morphologie einer neuen Varietät der Kleinen Roten Waldameise: *Formica minor pratensis*. Ztschr. angew. Ent. 32. 1951, 433—457, 4 Abb.
- Grisson, P., et Biliotti, E.**, Relations entre la biologie des insectes entomophages et l'application des traitements chimiques. Compt. rend. Acad. Agric. France 37. 1951, 610—614.
- Györfi, J.**, Die Schlupfwespen und der Unterwuchs des Waldes. Ztschr. angew. Ent. 33. 1951, 32—47.
- Hafez, M.**, Notes on the introduction and biology of *Microplitis demolitor* Wilk. [Hymenoptera, Braconidae] Bull. Soc. Fouad I^{er} Ent., Cairo, 35 (44). 1950—51, 107—121, 6 fig.
- Hancock, D.**, A woolly aphid (*Eriosoma lanigerum*) parasite (*Aphelinus mali*). Gardng. illustr., London, 68. 1951, 168.
- Hedwig-Berel, K.**, Mitteleuropäische Schlupfwespen und ihre Wirte. Nachr. naturwiss. Mus., Aschaffenburg, 33. 1951, 83—86.
- Heidenthal, G., and Clark, L.**, Survival rates of *Habrobracon* eggs treated in first meiotic metaphase with low and high voltage X-radiation. (Abstr.) Genetics 36. 1951, 554.
- Herold, E.**, Verkannte Freunde. [*Formica rufa*] Imkerfreund 6. 1951, 379—382.
- Hincks, W. D.**, A parasite (*Tetrastichus rhus*) of the larvae of *Cassida rubiginosa* Muell. (Col. Chrysomelidae). J. Soc. brit. Ent. 3. 1951, 249.
- Hölldobler, K.**, Über eine Milbensschädigung der Roßameise (*Camponotus herculeanus*), die durch eine Fehlreaktion des Wirtes wirksam wird. Ztschr. angew. Ent. 33. 1951, 104—107.
- Huffaker, C. B., and Spitzer jr., C. H.**, Data on the natural control of the cyclamen mite on strawberries. [*Iphidulus* on *Tarsonemus pallidus*] J. econ. Ent. 44. 1951, 519—522, 2 fig.
- Ingram, J. W., Bynum, E. K., Charpentier, L. J., and Haley, W. E.**, Introduction of the sugar-cane borer egg parasite, *Telenomus alecto*, in 1950 and the present status of biological control of the borer (*Diatraea saccharalis*) in Louisiana. Sugar Bull. 30. 1951, 71—73.
- Ingram, J. W., Mathes, R., Wilson, J. W., and Hay-slip, N. C.**, Biological control of the sugar-cane borer (*Diatraea saccharalis*) in continental United States. Int. Soc. Sugar-Cane Technol. Proc. 7. 1951, 354—360.
- Ishii, T.**, (Parasitic fly to ruby scale.) [*Anicetus ceroplastis* parasitic on *Ceroplastes rubens*] Jap. J. Plant Prot. 23. 1951, 27—28.
- Jancke, O.**, Ein neuer Parasit des Rebstichlers (*Byctiscus betulae* L.). Weinbau/Wiss. Beih. 5. 1951, 7—13, 7 Abb.
- Johansen, R. L.**, Fly weight champ of the corn field. [*Lydella stabularis* griseus in control of *Pyrausta nubilalis*] Co-op Grain Quart. 9. 1951, nr. 4, p. 49—52.
- Johansson, A. S.**, Studies on the relation between *Apanteles glomeratus* L. (Hym., Braconidae) and *Pieris brassicae* L. (Lepid., Pieridae). Norsk ent. Tidsskr. 8. 1951, 145—186.
- Judd, W. W.**, Hymenoptera and an inquiline moth reared from the goldenrod galls caused by *Gorimoschema gallaesolidaginis* Riley (Lepidoptera). Nova Scotian Inst. Sci. Proc. 22. 1951, 1—7.
- Kennedy, J. S.**, Benefits to aphids from feeding on galled and virus-infected leaves. Nature, London, 168. 1951, 825—826, 2 fig.
- King, J. L., Parker, L. B., and Willard, H. J.**, Status of imported parasites of the Japanese beetle (*Popillia japonica*) in 1950. U.S. Dept. Agric. Bur. Ent., Plant Quar. Insect Pest Surv. Spec. Suppl. nr. 5. 1951, 18 p.
- Knowlton, G. F.**, Some insect enemies of the pea aphid (*Macrosiphum pisi*). Utah Acad. Sci. Arts, Let. Proc. 26 (1948/49). 1951, 131 (Abstr.).
- Koegel, L.**, Ameisen als Waldbeschützer. Unser Wald 4. 1951, Nr. 5, S. 7—8.
- Kryshanowskij, O.**, (*Eobrosicus* — neue Arten der Puppenräuber (Coleoptera, Carabidae) aus dem fernöstlichen Küstengebiet und China.) (Ent. Umschau) (russ.) 31. 1951, H. 3/4.
- Labeyrie, V., et Pons, R.**, *Microgaster globatus* Ness., nouveau parasite de la teigne du poireau (*Acrolepia assectella* Zeller). Bull. Soc. ent. France 56. 1951, 31.
- Laurence, B. R.**, The prey of some tree trunk frequenting Empididae and Dolichopodidae (Dipt.). Ent.'s monthly Mag. 87. 1951, 166—169.
- MacLaurin, A. M.**, Larva of *Lasiocampa quercus* L. race *callunae* attacked by *Carabus problematicus* (Col. Carabidae). Ent. Rec., J. Variation 63. 1951, 84.
- Maksimovic, M.**, (Experimental breeding of *Calosoma scyophanta* L. and *Calosoma inquisitor* L. as enemies of the gypsy moth (*Porthetria dispar*.) Beograd Univ. Sumarski Fak. Glasnik 3. 1951, 183—196.

- Metcalf, C. L., and Flint, W. P.**, Destructive and useful insects, their habits and control. McGraw-Hill Book Comp., Inc., New York-Toronto-London 1951. 3. ed., XIV+1071 p., 584 fig.
- Morris, R. F.**, The larval Elateridae of eastern spruce forests and their role in the natural control of *Gilpinia hercyniae* (Htg.) (Hymenoptera: Diprionidae). *Canad. Ent.* 83. 1951, 133—147, 1 fig.
- Muldrew, J. A.**, Studies on the natural immunity of the larch sawfly (*Pristiphora erichsonii* to the parasite *Mesoleius aulicus*). *Manitoba ent. Soc. Proc.* 7. 1951, 15—16.
- Munro, J. A.**, Drafting insect »soldiers« to war on plant parasites. How parasites of the sweet clover weevil and European corn borer are being established in North Dakota. [*Sitona cylindricollis* on sweet clover, *Pyrausta nubilalis* on maize] Bi-monthly Bull. North Dakota agric. Exp. Stat. 13. 1951, 231—236, 3 fig.
- Newell, I. M., Mitchell, W. C., and Rathburn, F. L.**, Infestation norms for *Dacus cucurbitae* in *Momordica balsamina*, and seasonal differences in activity of the parasite, *Opius fletcheri*. *Proc. hawaii. ent. Soc.* 14. 1951, 497—508.
- Nickels, C. B.**, Notes on the life history and habits of the pecan nursery casebearer in Texas. [parasites] *J. econ. Ent.* 44. 1951, 433—434.
- Nikičiuk, A. I.**, (Predatory and parasitic insects as regulators of the damaging activity and spread of bark beetles in a coniferous forest.) *Bull. Obshch. Ispyt. Prirody (Sect. biol.) USSR.* 56. 1951, nr. 5, p. 58—63.
- Nikol'skaja, M. N.**, (Eine neue *Gonatocerus*-Gattung (Hym. Mymaridae) aus Eiern der *Zikade* *Cicadella viridis* L.) (Ent. Übersicht), Moskau u. Leningrad, 31. 1951, 575—576, 1 Abb.
- Nolte, H.-W.**, Die Feinde des Lärchenblasenfußes (*Taeniothrips laricivorus*). Ein Beitrag zur Bedeutung der räuberischen Feinde der Thysanopteren. *Zool. Anz.* 146. 1951, 187—191.
- Olemares Miralles, E.**, Insectos auxiliares de la agrícola. *Cult. Mod.* 34. 1951, 410.
- Parker, H. L.**, Parasites of the lima-bean pod borer (*Etiella zinckenella*) in Europe. *U. S. Dept. Agric. Techn. Bull.* 1036. 1951, 28 p.
- Pavgi, M. S.**, *Aegerita webberi* on scale insects (*Aleurodes* sp.). *Curr. Sci., Bangalore*, 20. 1951, 189.
- Pielou, D. P., and Glasser, R. F.**, Selection for DDT tolerance in a beneficial parasite, *Macrocentrus ancylovorus* Roh. I. Some survival characteristics and the DDT resistance of the original laboratory stock. [*Cydia molesta*] *Canad. J. Zool.* 29. 1951, 90—101, 8 fig., 2 tab.
- Plate, H.-P.**, Die ökologischen Beziehungen zwischen Arthropoden und Mollusken. *Ztschr. angew. Ent.* 32. 1951, 406—432.
- Řezáč, M.**, Kuklice rodu *Viviania*, ničitelé hrbáče osenního. (Tachinidae of gen. *Viviania* parasiting on *Zabrus tenebrioides* F.) *Ent. Listy (Folia ent.)*, Brno, 13 (1950). 1951, 46—47.
- Risbec, J. L.**, Les chalcidoïdes d'A. O. F. II. Les *Microgasterinae* d'A. O. F. *Inst. franç. Afr. Noire Mém.* 13. 1951, 471 p.
- Robert, A.**, Notes biologiques sur les principaux insectes parasites des charançons de l'orme (*Magdalis* spp.): *Eubadizon magdali* Cress., *Spathius canadensis* Ash. (*Braconides*), *Trigonura tarsata* D. T., *Trigonura* sp. (*Chalcidides*, *Hyménoptères*). *Ann. Assoc. canad.-franc. Avanc. Sci.* 17 (1949/50). 1951, 138—142.
- Robert, A.**, Rôle respectif de chacune des espèces parasites dans la réduction des charançons de l'orme (*Magdalis* spp.). *Ann. Assoc. canad.-franc. Avanc. Sci.* 17 (1949/50). 1951, 143—147.
- Ryvkin, B. V.**, (Some problems of the biology of the tachinid, *Sturmia inconspicua* Meig. (Diptera, Larvivoridae) and its economic importance (as parasite of *Dendrolimus pini* caterpillars).) *Dokl. Akad. Nauk USSR.* 76. 1951, 755—758.
- Sabrosky, C. W.**, Two new species of *Pseudiasata* (Dipt., *Drosophilidae*) predacious on the pineapple mealybug. [*Pseudococcus brevipes* Ckll.] *Bull. ent. Res.* 41. 1951, 623—627, 8 fig.
- Sala de Casterlanau, P. I.**, Los enemigos naturales de los dípteros. *Bol. Soc. portug. Ciênc. Nat., Lisboa*, 3 (sér. 2). 1951, 129—142, 5 fig.
- Santorio, R.**, Ricerche con prodotti organico-sintetici in rapporto a *Dacus oleae*, a entomoparassiti ed insetti varii eseguite in Ascea (Salerno) nel 1950. (Experiments of control with organic synthetic products in relation to olive fly (*Dacus oleae*), their parasites and other insects performed in Ascea (Salerno) in 1950.) *Ann. Sperim. agr., Roma*, n. ser. 5. 1951, 1379—1404.
- Scaramuzza, L. C.**, El control biológico y sus resultados en la lucha contra el barrenador o perforador de la caña, *Diatraea saccharalis* (Fabr.) en Cuba, por medio de la mosca *Lixophaga diatraeae* (Townsend). *Mexico Ofic. Estud. Espec. Fol. Misc.* 4. 1951, 282—292.
- Schaerfensberg, B.**, Untersuchungen über die Bedeutung der Enchytraeiden als Nematodenfeinde. *Mitt. Biol. Zentralanst., Berlin-Dahlem*, H. 70. 1951, 55—58.
- Schrag, L.**, Fighting insects with insects. *Canad. Countryman* 40. 1951, nr. 7, p. 30—31.
- Seguy, E.**, Un nouveau calliphoride (*Sarcophaga mezzadrii*) parasite du criquet migrateur (*Locusta* sp.). *Rev. franç. Ent.* 18. 1951, 119—121.
- Serdunich, M.**, (Biological method for controlling pests of agricultural crops on (sugar) beet state farms.) [*Trichogramma*] *Sakh. Promysh. (russ.)* 25. 1951, nr. 12, p. 30—31.

- Simmonds, H. W.**, The establishment of the black scale (*Saissetia oleae*) parasite *Metaphycus helvolus*, Compere (Hymenoptera, Encyrtidae) in South Australia. J. South Austr. Dept. Agric. 54. 1951, 398—400.
- Smirnow, W.**, *Aspidiotiphagus lounsburyi* Berl. et Paoli (Chalcidoidea, Aphelinidae) parasite de certaines espèces de Diaspidioidea (Homopt.) au Maroc. Rev. Path. vég. Ent. agric. France 31. 1951, 63—69, 1 fig.
- Stager, R.**, Zikaden als Nahrungslieferanten der Ameisen. Leben u. Umwelt 7. 1951, 268—272.
- Subramanyam, V. K.**, *Homalotylus flaminus* (Dalman), a parasite of *Rodolia* grubs predatory on the fluted scale, *Icerya purchasi* Maskell. Indian J. Ent. 12 (1950). 1951, 103—106.
- Summerland, S. A., and Hamilton, D. W.**, *Hemisarcoptes malus*, a predator of Forbes scale. [Aspidiotus forbesi] J. econ. Ent. 44. 1951, 818.
- Szmidt, A.**, Wykorzystaimy owady dla celów ochrony lasu. (Nutzen wir die Insekten für Zwecke des Forstschutzes.) Las Polski 25. 1951, 11—12.
- Thalenhorst, W.**, Der Kokon von *Campoplex angustatus* Thoms. (Hym., Ichneumonidae). Anz. Schädl.kunde 24. 1951, 36—37, 1 Abb.
- Thompson, W. R.**, The specificity of host relations in predaceous insects. Canad. Ent. 83. 1951, 262—269.
- Tiensuu, L.**, Notes on the smallreed coccid, *Eriopeltis lichtensteini* Sign. (Hem., Coccoidea, Lecanoidae) and its natural enemies in Finland. Ann. ent. fenn. 17. 1951, 3—10.
- Tunblad, B.**, (Useful insects in fruit culture.) Sver. Pomol. För. Fruktoidlaren 1951, 16—19.
- Turcek, F. J.**, (The larva of *Oestromyia satyrus* parasitic in the vole *Microtus arvalis* Pall. (Hypoderm. Dipt.).) Českosl. Společn. Ent. Časopis 48. 1951, 240—241.
- Usman, S.**, *Microbracon chinensis* Szepł., a larval parasite of *Sesamia inferens* Walk. Indian J. Ent. 12 (1950). 1951, 30.
- Van den Bosch, R., Bess, H. A., and Haramoto, F. H.**, Status of oriental fruit fly parasites in Hawaii. [Opis longicaudatus, O. sp., O. incisi, O. oophilus against *Dacus dorsalis*] J. econ. Ent. 44. 1951, 753—759, 6 fig.
- Van den Bosch, R., and Haramoto, F. H.**, *Opius oophilus* Fullaway, an egg-larval parasite of the oriental fruit fly (*Dacus dorsalis*), discovered in Hawaii. Proc. hawaii. ent. Soc. 14. 1951, 251—255.
- Van Dintner, J. B. M.**, Twee Coccinellidae als roofvijanden van *Dreyfusia piceae* Ratz. (Two coccinellids as predators of *Chermes piceae*.) [Aphidecta (*Adalia*) *obliterata*, *Anatis* (*Coccinella*) *ocellata*] Tijdschr. Ent., Amsterdam, 94. 1951, 169—188, 2 fig.
- Viktorov, G. A.**, (Parasites of lima-bean pod borer (*Etiella zinckenella* Tr.) in Stalingrad region.) [chiefly on *Phanerotoma rjabovi* and *Limneria fuscicarpus*] Zool. Zhurn. 30. 1951, 385—390.
- Weber, P. W.**, Recent liberations of beneficial insects in Hawaii. [parasites for biological control of pests] Proc. hawaii. ent. Soc. 14 (1950). 1951, 327—330.
- Weiler, N.**, Nützliche Insekten im Garten. Gärt.-Kur. 6. 1951, Nr. 11, S. 2—3.
- Whiting, A. R.**, Absence of mutagenic effect of heavily irradiated host on the parasitic wasp *Habrobracon*. Anat. Rec. 111. 1951, 565 (Abstr.).
- Wille, J. E.**, Sobre la introducción de un nuevo enemigo del barreno de la caña. [*Lixophaga diatraeae* on *Diatraea saccharalis*] Vida Agric., Lima, 28. 1951, 775—776.
- Williams, J. R.**, The factors which promote and influence the oviposition of *Nemeritis canescens* Grav. (Ichneumonidae, Ophioninae). Proc. R. ent. Soc. London, Ser. A (Gen. Ent.), 26. 1951, 49—58.
- Williams, J. R., Moutia, L. A., and Hermelin, P. R.**, The biological control of *Conipterus scutellatus* Gyll. (Col. Curculionidae) in Mauritius. [Anaphoidea nitens on *Eucalyptus* snout beetle] Bull. ent. Res. 42. 1951, 23—28.
- Winter, G.**, Marienkäfer vertilgt Orangenschildlaus. Die natürliche Bekämpfung der Pflanzenschädlinge. Neue Ztg., Berliner Ausgabe, 18. Nov. 1951, 1 S.
- Wirth, W. W.**, Two new spider egg predators from the Hawaiian Islands (Diptera: Drosophilidae). Proc. hawaii. ent. Soc. 14. 1951, 415—417.
- Ziegler, Insekten als Feldpolizei.** Hannov. land- u. forstw. Ztg. 104. 1951, 235—236.

Vertebrata

- Abelenzew, W. I.**, Letutshie myschi, ich polsa w borbe s wredite jami polesaschtschnych lesonasashdenij. (Fledermäuse, ihr Nutzen für die Bekämpfung der Schädlinge in den feldschützenden Waldanpflanzungen.) Lesn. chosjaistwo 4. 1951, 64—67.
- Alejnikowa, M. M., a Utrobina, N. M.**, K woprosu o roli amfibij w biozenosach polesaschtschnych lesnych nasashdenijach. (Zur Frage über die Rolle der Amphibien in den Biozöosen der feldschützenden Waldanpflanzungen.) Scol. Shurnal 30. 1951, 391—397.
- Bel'skij, N. V., and Chmutova, A. P.**, (Importance of birds in protecting the vegetation in the Principal Botanic Garden.) Glav. Bot. Sad., Moscow, Bull. 9. 1951, 93—103.
- Brooks, M.**, English sparrows eating locust leaf-miners (*Chalepus dorsalis*). Wilson Bull. 63. 1951, 116.
- Dathe, H.**, Zur Ernährung des Mauerseglers. Vogelwelt 72. 1951, 133.

- Dittmar, W.**, Bestandsdichte beim Hausrotschwanz und Fliegenschnäpper. 3. Rundber. Arb.gem. Ornithol. 1951, 45.
- Faver, A. R.**, The value of birds in a camellia garden. [insect control] Camellian 2. 1951, 46, 55—57.
- Feuerstein, W.**, Aus dem Speisezettel der Schleiereule. Mitt. thür. Ornithol. 2. 1951, 47—48.
- Frank, F.**, Feldmausplage und Kreuzotterbestand — eine Klarstellung. Landw.bl. Weser-Ems 98. 1951, 1032.
- Goin, C. J.**, Snakes in your barn; hog-nosed and black species farmers' best friends. Florida Grower 59. 1951, nr. 10 (i. e. 11), p. 28, 30.
- Gros, L. P.**, Les oiseaux et l'agriculture. Réveil Agric. 60. 1951, 225—226.
- Hayden, B. E.**, Encourage them, they pay their way; birds in my growing garden. [insects] Horticulture 29. 1951, 92, 114.
- Hayden, B. E.**, Help from the birds; efforts to attract them will be amply repaid in insect destruction. Flower Grower 38. 1951, nr. 5, p. 36, 57—59.
- Henisch, G.**, Hühnerfeldzug gegen Kartoffelkäfer und andere Schädlinge. Geflügelhof 14. 1951, 397—398.
- Kalela, O.**, Einige Konsequenzen aus der regionalen Intensitätsvariation im Massenwechsel der Säugtiere und Vögel. Ann. zool. Soc. »Vanamo«, Helsinki, 14. 1951, nr. 5, p. 1—31.
- Löhr, H.**, Eulen als Mäusejäger. Württ. Wochenbl. Landw. 118. 1951, 1031.
- Meyer, W.**, Immer wieder die Mäuseplage — schont die Kreuzotter! Landw.bl. Weser-Ems 98. 1951, 985—986.
- Möhres, F. P.**, Die Wochenstuben der Fledermäuse. Umschau 51. 1951, 658—660, 6 Abb.
- Przygodna, W.**, Feldmausbekämpfung und Vogelwelt. Vogelwelt 72. 1951, 106—111.
- Rutter, R.**, Birds patrol our forests. Forest and Outdoors 47. 1951, nr. 12, p. 10—11, 27.
- Sevastopulo, D. G.**, Birds and insects. Ent.'s monthly Mag., London, 87. 1951, 102.
- Shilova-Krassova, S. A.**, (Attraction of birds for the purpose of forest protection.) Lesn. Khoz. (russ.) 4. 1951, nr. 6, p. 75—77.
- Steiniger, F.**, Die Lachmöwe als Feldmaus-Jäger. Nachr.bl. dtsh. Pfl.schutzd., Braunschwg., 3. 1951, 89—92, 5 Abb.
- Steiniger, F.**, Rattenbekämpfung durch Eulen. Anz. Schäd.kunde 24. 1951, 155.
- Thompson, S. L.**, Our allies — the birds. [insect control] Ontario Milk Prod. 27. 1951, 41.
- Tope, R.**, Rattenbekämpfung durch Wiesel. Städtehygiene 2. 1951, 164.
- Turcek, F. J.**, Galls and gall-insects as food of certain birds and mammals. Suomen Hyönteistieteellinen Aikakausk. 17. 1951, 17—22.
- Winkler, H.**, Das Rebhuhn und seine Bedeutung für die Landwirtschaft. Dtsch. Landw. 2. 1951, 598—600.
- Wüst, W.**, Lachmöwen-Gewölle. [Larus ridibundus] Natur u. Nahrung 81. 1951, 200—201, 2 Abb.

Virus

- Bergold, C. H.**, Notes on polyhedral disease of forest tent caterpillar, Malacosoma disstria. Canada Dept. Agric., Sci. Serv., Div. Forest Biol., Bi-monthly Progr. Rept. 7. 1951, nr. 4.
- Bergold, C. H.**, The polyhedral disease of the spruce budworm, Choristoneura fumiferana (Clem.) (Lepidoptera: Tortricidae). Canad. J. Zool. 29. 1951, 17—23, 1 fig., 3 tab.
- Bergold, C. H.**, and **McGugan, B. M.**, Virus diseases of the forest tent caterpillar. Canada Dept. Agric., Sci. Serv., Div. Forest Biol., Bi-monthly Progr. Rept. 7. 1951, nr. 1, p. 2—3.
- Brauns, A.**, Das Auftreten von Polyedrose bei einer Forstinsektenart im Winterlager. [Cephaleia alpina] Nachr.bl. dtsh. Pfl.schutzd., Braunschwg., 3. 1951, 58—59, 1 Abb.
- Breny, R.**, Polyedrose chez Neodiprion sertifer Geoffr. Parasitica 7. 1951, 118—124.
- Crownover, R.**, **Mandel, J. D.**, and **Eisenstark, A.**, Studies of a bacterial virus active against Xanthomonas pruni (Holmes). Oklahoma Acad. Sci. Proc. 31 (1950). 1951, 40—42.
- Grégoire, Ch.**, Virus-like bodies in the blood of the house cricket. J. gen. Microbiol. 5. 1951, 121—123, 17 fig.
- Macindoe, R. H. F.**, Rabbit control by myxomatosis. J. South Austr. Dept. Agric. 54. 1951, 431—432.
- Matsui, C.**, (On the adsorption of Solanacearum phage α on Bact. solanacearum Smith strain S.) Bull. Kyushu Univ. Fac. agric. Sci. 13. 1951, 36—39.
- Matsui, C.**, (On the relationship between the temperature and activity of Solanacearum phage α . I.) Bull. Kyushu Univ. Fac. agric. Sci. 13. 1951, 40—44.
- Schimitschek, E.**, Über die Polyederkrankheit der Fichten-Gespinstblattwespe Lyda hypotrophica Htg. (Cephaleia abietis L.). Mitt. forstl. Bundes-Vers.anst. Mariabrunn 47. 1951, 70—73.
- Schone, W. J.**, and **Sibold, N. V.**, A virus disease of the red-banded leaf roller (Argyrotaenia velutinana). [granulosis] Virginia Fruit 39. 1951, 21—22.
- Smith, K. M.**, Die Polyederkrankheiten der Insekten. Endeavour 10. 1951, 194—199, 10 Abb.
- Smith, K. M.**, and **Wyckoff, R. W. G.**, Electron microscopy of insect viruses. Research, London, 4. 1951, 148—155.

Thompson, C. G., Field tests during 1950 using a polyhedrosis virus to control the alfalfa caterpillar. [Borrelina campeolis on Colias philodice eurytheme] J. econ. Ent. 44. 1951, 255—256, 2 fig.

Thompson, C. G., A granulosis of the imported cabbage-worm. J. econ. Ent. 44. 1951, 255.

Wasser, H. B., and **Steinhaus, E. A.**, Isolation of a virus causing granulosis in the red-banded leaf roller (Agryrotaenia velutinana). Virginia J. Sci. 2 (n. ser.). 1951, 91—93.

Vogelschutz

Bird protection — Protection des oiseaux

Büch, C., Lohnender Nützlingsschutz. Fehlen Nist-
gelegenheiten? Saarl. Bauernbl. 5. 1951, 9.

Faber, W., Genügt der Vogelschutz zur Bekämpfung
des Kartoffelkäfers (Leptinotarsa decemlineata)?
Landwirtschaft 1951, 195—196.

Frei-Müller, J., Vogelschutz und seine Bedeutung für
die Forstwirtschaft. Prakt. Forstwirt Schweiz 87.
1951, Nr. 4, S. 84—90.

Głowacki, J., (Preliminaries to the study of importance
of birch tree in forest biocoenosis summary.) Syl-
wan (pol.) 95. 1951, 214—219.

Grunewald, R., Praktischer Vogelschutz. Kleingärtner
u. Siedler 5. 1951, 180—181.

Hahn, W., Ein Blick in eine Vogelschutzwarte. Neue
Mitt. Landw., Hannover, 6. 1951, 7—8.

Heddergott, H., Vogelschutz und Schädlingsbekämpfung.
Landw. Wochenbl. Westfalen, Lippe 108 A. 1951,
54—55.

Heilscher, W., Vogelschutz ist vordringlich. Der
Arbeitskreis für Vogelschutz in der Schutzgemein-
schaft Deutscher Wald tagte in Bad Ems. Allg.
Forstztzshr. 6. 1951, 344.

Henze, Waldvogelschutz im Mai und Juni. Allg.
Forstztzshr. 6. 1951, 223.

Henze, Der Waldvogelschutz macht Fortschritte. Allg.
Forstztzshr. 6. 1951, 501.

Herold, W., Hecke und Feldgehölz als Wohn- und
Zufluchtsraum für nützliche und schädliche Tiere.
Dtsch. Landw. 2. 1951, 480—484, 2 Abb.

Jahn, E., Dauernisthöhlen. Wald, Ztschr. Forstwirt-
schaft-Holzwirtschaft, 1. 1951, 79—80, 2 Abb.

Jost, W., Forstmann, schütze deinen Wald vor Insek-
ten, treibe Vogelschutz! Forstl. Mitt. 4. 1951, 94, 97.

Kaven, G., Nistkastenreinigung: eine dringende Forde-
rung. Kostbares Vogelleben schützen! Schädlings-
bekämpfung 43. 1951, 62—63, 1 Abb.

Kompel, H., Vögel schützen, heißt Menschen nutzen.
Forstl. Mitt. 4. 1951, 207—208.

Kraemer, G.-D., Die Definierung der Brutbaumdиспо-
sition bei Schädlingsbefall. Verh. dtsch. Ges. angew.
Ent. e. V. 11. Mitgl.versamml. München 1949. 1951,
171—175.

Peregrinus, Es geht um die Erhaltung unserer Greif-
vögel. Naturschutz u. Landsch.pflege 26. 1951,
101—103, 2 Abb.

Rabeler, W., Systematik der Vogelgemeinschaften im
Hinblick auf Biozönotik und Pflanzensoziologie.
Ornithol. Abh. H. 9. 1951, 1—10, 1 Abb.

Richter, H., Die Stellung der Eulen im Rahmen des
wirtschaftlichen Vogelschutzes. Forstwirtschaft-Holz-
wirtschaft 5. 1951, 234—237.

Robbins, C. S., Springer, P. F., and **Webster, C. G.**,
Effects of five-year DDT application on breeding
bird population. J. Wildlife Managem. 15. 1951,
213—216.

Schubert, A., Bienenzucht und Vogelschutz. Unser
Wald 4. 1951, Nr. 6, S. 3—4.

Schuster, L., Neue Internationale Konvention zum
Schutze der Vögel. Gesunde Pflanzen 3. 1951,
207—209.

Speyer, W., and **Gasow, H.**, Vogelschutz und Vogel-
abwehr. Biol. Bundesanst. Braunschweig Flugbl.
C 16. 1951, 12 S.

Steigerwald, Künstliche Nisthöhlen auf natürlicher
Grundlage. Forstwirtschaft-Holzwirtschaft. 5. 1951,
30—31, 2 Abb.

Stevens, O. A., Shrubs and trees to attract birds. North
Dakota agric. Coll. Ext. Circ. A-156. 1951, 6 p.

Tögel, V., Vogelschutz ist wichtig im Obstbau. Berufs-
gärtner (Österreich) 4. 1951, 5—6.

Turecek, F. J., Stratification des populations aviaires
au sein d'une quercetocarpinetaire de la Slovaquie
méridionale. Sylvia 13. 1951, 71—86.

**Richtlinien für die Prüfung und Anfertigung von Nist-
geräten.** Biol. Bundesanst. Braunschwig. Flugbl. A 6.
1951, 6 S.

Biologische Unkrautbekämpfung

Biological control of weeds

Lutte biologique contre les mauvaises herbes

Bird, J. J., »Goose-berry« management. [use of geese
for weeding strawberry plantings] Tennessee State
hortic. Soc. Proc. 46. 1951, 25—26.

Braid, K. W., Bracken control: Artificial and natural.
J. brit. Grassl. Soc. 2. 1947, nr. 4.

Bryan, W. C., Bacterial rot of giant Cactus (Cereus
giganteus). Plants and Gdns, New York, 7. 1951,
146—148.

Eberle, G., Vom Windenschwärmer. [an Convolvulus
arvensis] Natur u. Volk 81. 1951, 121—126, 5 Abb.

Ellis, H., Fighting weeds with beetles. [control of
Hypericum] Farm J. 65. 1951, nr. 4, p. 29.

- Gopalkrishnan, K. S.**, Development and parasitism of *Physoderma graminis* (Büs.) Fischer, on *Agropyron repens* (L.) Beauv. *Phytopathology* 41. 1951, 1065—1076, 1 fig.
- Hinton, E.**, Let geese pull the grass. [control in strawberry patch] *Progr. Farmer* (Mississippi-Arkansas-Louisiana Ed.) 66. 1951, nr. 6, p. 26, 93.
- Hurst, F.**, Clean as a floor — sheep hoe sugar-cane. [Johnson grass] *Progr. Farmer* (Mississippi-Arkansas-Louisiana Ed.) 66. 1951, 15, 96.
- Koie, G.**, (On the extirpation method considered from a biological standpoint of weeds in nursery.) *Trans. jap. Forestry Soc.* 59. 1951, 81—83.
- Miller, N. C. E.**, A new species of *Afrius* (Hem., Pentatomidae), predacious on *Schematiza cordiae* Barb. in Mauritius. *Bull. ent. Res.* 42. 1951, 183—184, 1 fig.
- Nikam, B. G.**, and **Pawar, F. K.**, Powdery mildew on *Convolvulus arvensis* L., caused by *Oidium* species. *Poona agric. Coll. Mag.* 41. 1951, 287—290.
- Pettinari, C.**, Una fusariosi su radici di *Opuntia ficus-indica*. [Fus. oxysporum var. opuntiarum] *Ann. Sperim. agr., Roma*, n. ser. 5. 1951, 1415—1421, 3 fig. — *Boll. Staz. Pat. veg.* 9 (3. ser.). 1951, 61—67.
- Rayner, H. J. W.**, Using geese in strawberry production. [crabgrass control] *Delaware State Board Agric. Bull.* 40. 1951, nr. 5, p. 90—92.
- Ryckman, R. E.**, Injurious effects of *Paracantha* culta on Canadian thistle in Wisconsin. *J. econ. Ent.* 44. 1951, 127.
- Servadei, A.**, Nota sull'*Heterogaster urticae* F. e sul genere *Heterogaster* Schill. (Hemiptera-Heteroptera, Mydodochidae). »*Redia*«, *Giorn. Ent.*, Firenze, 36 (2. Ser.). 1951, 171—220, 27 fig., 2 tab.
- Sokolow, V. P.**, Biological control of weeds in compacted soil cultures. *Science, Lancaster*, 114. 1951, 271—274.
- Tielecke, H.**, Ein Beitrag zur Biologie des Distelrüsslers (*Cleonus piger* Scop.). *Nachr. bl. dtsh. Pflschutzd.*, Berlin, NF. 5. 1951, 31—35, 4 Abb.
- Uhler, L. D.**, Biology and ecology of the goldenrod gall fly, *Eurosta solidaginis* (Fitch). [on *Solidago canadensis*] *Cornell Univ. agric. Exp. Stat. Mem.* 300. 1951, 51 p., fig., tab.
- Williams, J. R.**, The control of the Black Sage in Mauritius by *Schematiza cordiae* Barb. (Col., Galerucid.). *Bull. ent. Res.* 42. 1951, 455—463, 2 tab.
- Wilson, F.**, The biological control of weeds. *Westralian Farm. Co-op. Gaz.* 21. 1951, 195—197, 199—200.
- Wolcott, A. R.**, Bromegrass as an effective agent in quackgrass control. *Michigan agric. Exp. Stat. Quart. Bull.* 33. 1951, 343—350.
- Zimmerman, E. C.**, A new Nesosydne from *Chenopodium* on Hawaii (Hemiptera-Homoptera: Delphacidae). *Proc. hawaii. ent. Soc.* 14. 1951, 433—435.
- Eine Motte rettet Queensland. [Cactoblastis cactorum] (Ref.) *Übersicht, Ztschr. Landbuch-Gemeinsch.*, 2. 1951, Nr. 4, S. 28—29.

c. Chemische Bekämpfung Control by chemicals Lutte par des produits chimiques

Allgemeiner Teil General part — Partie générale

- Albert, A.**, Selective toxicity with special reference to chemotherapy. *Methuen & Co., Ltd., London*, and *J. Wiley & Sons, Inc., N. York* 1951. XII+228 p., 31 fig., 5 tab.
- Bellavite, F.**, La mostra degli antiparassitari. (Show of antiparasitics.) [insecticides, fungicides, herbicides] *Inform. Agr. (portug.)* 7. 1951, nr. 8, p. 8—12.
- Beran, F.**, Die innere Therapie, ein Weg zur selektiven Schädlingsbekämpfung. *Pflanzenarzt, Wien*, 4. 1951, Nr. 12, S. 1—2, 2 Abb.
- Bergman, S.**, A scheme of insecticide, fungicide etc., supervision in Sweden based on an agreement between authorities and associations of manufacturers and merchants. *Proc. int. Congr. Crop Prot.* 2 (1949). 1951, 20—22.
- Billings, S. C.**, The basis of labeling agricultural insecticides under the federal insecticide, fungicide, and rodenticide act. *Proc. amer. Assoc. econ. Ent., North. Centr. States Branch*, 6. 1951, 36—38.
- Blanch, F. C.**, a. o., *Agricultural and food chemistry*. Ind., *engin. Chem.* 43. 1951, 564—576, 18 fig.
- Bouriquet, G.**, Les fongicides et les herbicides dans les territoires française d'outre-mer. *Agron. trop.* 6. 1951, 80—81.
- Brichta, H.**, Der brasilianische Markt für Pflanzenschutzmittel. *Wirtschaftsdienst* 31. 1951, Nr. 9, S. 41—43.
- Brodie, A.**, Chemical control of vegetation. *Engin. J.* 34. 1951, 180—188.
- Caujolle, F.**, Les perspectives nouvelles de la phyto-pharmacie. *Bull. Soc. Hortic., Acclim. Maroc* 36. 1951, nr. 152, p. 12—13.
- Chapman, R. A.**, Relation of specific chemotherapeutants to the infection court. *Phytopathology* 41. 1951, 6—7.
- Chatelier, P. A.**, Pesticides. *Green Thumb, St. Petersburg*, 1. 1951, nr. 9, p. 8—9, 23.
- Chella, G.**, Le miscela antiparassitaria. *Agric. napoletana* 18. 1951, nr. 9, p. 44—45.
- Ciccarone, A.**, Studio dei mezzi più adatti alla difesa e alla lotta contro le infezioni crittogamiche; ricerche e scoperte scientifiche più recenti sui metodi di lotta antiparassitaria e loro applicazione pratica. Studio dei mezzi genetici. 1. *Conf. int. Lutte contre Parasites Plantes* 3.—6. 10. 1950 Rom. 1951, 310—314.
- Ciferri, R.**, Novità e tendenze recenti nel campo degli antiparassitari agricoli. *Humus* 7. 1951, nr. 9, p. 10—13.

- Connors, I. L.**, List of fungicides and fungicides-insecticides registered for 1951 as of July 31, 1951. Canad. Dept. Agric. 1951.
- Cronshey, J. F. H.**, Les anticryptogamiques employés sur les feuilles et pour la protection des semences. Phytoma, Paris, 4. 1951, nr. 31, p. 18—21.
- Cunningham, G. H.**, Control of plant pests and diseases. List of fungicides and insecticides tested by Plant Diseases Division. N. Zealand Gard. nr. 8. 1951, 267—272, 300.
- Davidsson, I.**, (Some plant diseases and remedies.) Freyr (icelandic) 46. 1951, 202—203.
- Decker, G. C.**, Pesticide lack means an inadequate food supply. Agric. Chem. 6. 1951, nr. 6, p. 38—40.
- Doolittle, S. P., Kreitlow, K. W., Leukel, R. W., and Presley, J. T.**, New organic chemicals are conquering plant diseases; seed treatment, spraying, dusting all produce much-needed results. South. Seedsman 14. 1951, nr. 2, p. 17, 41—43.
- Dustan, G. G., and Chamberlain, G. C.**, Current research on fungicides and insecticides. Canad. Grower 74. 1951, nr. 4, p. 10—12.
- Efimov, A. L.**, Spravochnik po primeneniiu iadov dlia bor'by s vrediteliami i bolezniami sel'skokhoziaistvennykh rastenii. (Handbook on the use of poisons for controlling pests and diseases of agricultural plants.) Gos. Izd-vo Selkhoz Lit-ry, Moskva 1951. 4. Ed., 301 p.
- Ewart, G. Y.**, Use of aromatic solvents in aquatic weed and pest control. [emulsions] Agric. Engin. 32. 1951, 157—158, 160.
- Fabre, R.**, Productivité et phytotoxicologie. Soc. franç. Phytiatrice, Phytopharm., Paris, 1951, 24—30.
- Ferguson, J.**, The effects of phase distribution on deduced relationships between chemical constitution and toxic action. Proc. int. Congr. Crop Prot. 2 (1949). 1951, 142—148.
- Fischer, W.**, Insektizide, Herbizide. Ztschr. analyt. Chemie 133. 1951, 236—238.
- Fitzwater jr., W. D.**, Not so fast!!! [pest control] Hoosier Hortic. 33. 1951, 115—117.
- Fjeldalen, J., og Gjaerum, H. B.**, Kjemiske midler mot skadedyr og soppsjukdommer. (Chemical preparations against insects and fungus diseases.) Norg. Stat. Plantev. Flygeskr. 41. 1951, 12 p.
- Flörey, E.**, Moderne Wissenschaft im Dienste des Pflanzenschutzes. Pflanzenarzt, Wien, 4. 1951, Nr. 7, S. 3—4.
- Frear, D. E. H.**, Pesticide handbook 1951. Commercial Print. Inc., State Coll. (Pennsylv.), 1951. 158 p.
- Fulton, R. A.**, Supplemental list of publications on liquefied-gas aerosols. U. S. Dept. Agric. Bur. Ent., Plant Quar. E—814. 1951, 5 p.
- Fulton, R. A., Nelson, R. H., and Yeomans, A. H.**, Evaluation of liquefied-gas aerosols. Soap, sanit. Chem. 27. 1951, nr. 8, p. 129, 131.
- Furst, H.**, Fortschritte in der Chemie der Schädlingsbekämpfungs- und Pflanzenschutzmittel. Chem. Techn. 3. 1951, 74—79, 117—122.
- Graham, J. J. T.**, Report on economic poisons. J. Assoc. Off. agric. Chem. 34. 1951, 667—670.
- Groves, D. E.**, New farm chemicals usher in golden age of agriculture. [insecticides, herbicides] Ohio Farmer 208. 1951, nr. 11, p. 12—13.
- Hahmann, K.**, Welche Mittelgruppen umfaßt das amtliche Pflanzenschutzmittel-Verzeichnis? Landpost 5. 1951, nr. 27, p. 8.
- Haller, H. L.**, Insecticides and fungicides. Ind., engin. Chem. 43. 1951, 569—572.
- Hart, E.**, Pesticide industry. Agric. Chem. 6. 1951, nr. 9, p. 38—40.
- Hartsuijker, K.**, Bestrijdingsmiddelen-perikelen. Nieuwe Veldbode 17. 1951, 385.
- Hebert, J.**, Le sort des antiparasitaires dans le sol et leurs effets secondaires. Ann. agron. (Ann. Inst. nat. Rech. agron. sér. A), Paris, 2. 1951, 127—143.
- Hofsten, C. G. v.**, (Chemical pesticides under discussion.) Lantmannen (swed.) 35. 1951, 318—320.
- Holmes, E.**, Plant protection of arable and grass land. [weed, insect, and disease control by chemical methods] J. R. Inst. chart. Surveyors 30. 1951, 662—669.
- Horiguchi, H., Yamashina, H., and Shoji, M.**, (The effect of new organic agricultural chemicals on crops. 1.) Oyo-Kontyu 7. 1951, 81—82 (Abstr.).
- Horsfall, J. G., and Dimond, A. E.**, Plant chemotherapy. Ann. Rev. Microbiol. 5. 1951, 209—222. — New York Acad. Sci. Trans. (ser. 2) 13. 1951, 338—341.
- Horsfall, J. G., Dimond, A. E., Stoddard, E. M., and Chapman, R. A.**, Chemotherapy for controlling plant diseases. Proc. int. Congr. Crop Prot. 2 (1949). 1951, 226—236.
- Hoyt, A. S.**, Need for continued research for pesticides. Agric. Chem. 6. 1951, nr. 6, p. 30, 105, 107.
- Jacks, H.**, List of plant therapeutants under test in New Zealand. Orchardist New Zealand 24. 1951, nr. 10, p. 9, 11, 13.
- Jancke, O.**, Beiträge zur innertherapeutischen Schädlingsbekämpfung. III. Ztschr. Pfl.krankh. 58. 1951, 179—185, 4 Abb.
- Jancke, O.**, Über innertherapeutische Schädlingsbekämpfung. Anz. Schäd.kunde 24. 1951, 137—138.
- Jannone, G.**, Lotta antiparassitaria collettiva. Humus 7. 1951, nr. 5, p. 25—26.

- Jannone, G., Osservazioni sulle presunte tossicità e sulla azione degli antiparassitari sulle piante. 1. Conf. int. Lutte contre Parasites Plantes 3.—6. 10. 1950 Rom. 1951, 304—309.
- Kaiser, H., Pharmazeutisches Taschenbuch. Wiss. Verlagsg.m.b.H., Stuttgart 1951. 4., verb. Aufl., VIII + 785 S.
- Kaiser, W., Erläuterungen zum neuen Pflanzenschutzmittelverzeichnis 1951. Landw. Wochenbl. Hessen-Nassau F. 75. 1951, 1 S.
- Kaiser, W., Zum neuen Pflanzenschutzmittelverzeichnis (1951). Gesunde Pflanzen 3. 1951, 148—150.
- Kastendieck, M., Verwendung von Netzmitteln im Pflanzenschutz. Obstbau 70. 1951, 92.
- Kazuo, N., Suzuki, T., and Takita, K., (Studies on the physical properties of agricultural chemicals. 4—6.) Oyo-Kontyu 7. 1951, 82—83 (Abstr.).
- Klett, W., Einiges von den Pflanzenschutzmitteln. (Mitteilung des Pflanzenschutzamtes.) Württ. Wochenbl. Landw. 118. 1951, 444.
- Lepage, H. S., and Da Silva, S. G., (Forecast for consumption of insecticides and fungicides in the State of São Paulo in the 1951/52 crop year.) Rev. Mercados (portug.) 2. 1951, nr. 9, p. 45—53.
- Lepage, H. S., and Da Silva, S. G., (Preview of insecticide and fungicide consumption in the State of São Paulo in the crop year 1951—52.) Biológico, São Paulo, 17. 1951, 61—71.
- Livingston, A. M., New materials and methods for pest control. [insecticides and herbicides] Publ. Works 82. 1951, nr. 3, p. 46—47, 62, 64.
- Maag, R., L'action des produits antiparasitaires et leur phytotoxicité. 1. Conf. int. Lutte contre Parasites Plantes 3.—6. 10. 1950 Rom. 1951, 135—142.
- Machacek, J. E., Results from co-operative seed treatment experiments on small grains. Plant Dis. Repr. 35. 1951, 146—148.
- Mack, G. L., The changing picture in pesticides. [insecticides, fungicides] Farm Res. New York State Stat. 17. 1951, nr. 4, p. 14.
- Mack, G. L., and Buchholz, A. B., The quality of economic poisons sold in New York State in 1950. New York State agric. Exp. Stat. Bull. nr. 748. 1951, 33 p.
- McManus, P. J., Pesticide supply outlook for 1952. [insecticides, fungicides, herbicides] G. L. F. Week 16. 1951, nr. 27, p. 3.
- Marshall, G. E., A clarification of the compatibilities of insecticides and fungicides. Proc. amer. Assoc. econ. Ent., North. Centr. States Branch, 6. 1951, 107—109.
- Menke, Biologische Schädlingsbekämpfung oder Giftaktion. Staats-Ztg. u. Staatsanz. Rheinl.-Pfalz 2. 1951, Nr. 18.
- Noll, L., Die Pflanzenschutz-Apotheke des Gärtners. Pillnitzer Merkl. Pfl.schutz F. 3. 1951, 12 S.
- Otis, C. E., New chemicals and control methods. West. canad. Weed Control Conf. Proc. 5. 1951, 191—200.
- Philipp, W., Einiges über Pflanzenschutzmittel. Obstbau 70. 1951, 71.
- Plate, H.-P., and Knöpke, W., Was muß man von den neuen Schädlingsbekämpfungsmitteln wissen? Mitt.-bl. Landesverb. Gartenbau, Landw. Berlin 2. 1951, 12—13.
- Potter, C., Insecticides and fungicides department. Rothamsted Exp. Stat. Rept. 1950. 1951, 101—111.
- Pratolongo, U., La determinazione e il controllo dell'azione tossica dei preparati anticrittogamici. 1. Conf. int. Lutte contre Parasites Plantes 3.—6. 10. 1950 Rom. 1951, 270—275.
- Randle, S. B., Agricultural insecticides and fungicides, 1950. New Jersey agric. Exp. Stat. Insp. Ser. 43. 1951, 19 p.
- Raucourt, M., Le contrôle des spécialités antiparasitaires en France. Proc. int. Congr. Crop Prot. 2 (1949). 1951, 365—367.
- Ricchello, A., Il controllo sulla produzione e sul commercio degli antiparassitari per uso agricolo in Italia. 1. Conf. int. Lutte contre Parasites Plantes 3.—6. 10. 1950 Rom. 1951, 264—269.
- Roberts, B., Agricultural chemicals playing important role in producing all crops. [insecticides and fungicides]. Better Farms 10. 1951, nr. 11, p. 6.
- Roberts, R. M., Chemistry and the arboriculturist. Trees 11. 1951, nr. 3, p. 6—8.
- Rohwer, S. A., »Pesticide«. [definition of the term] Agric. Chem. 6. 1951, 31—33, 93, 95.
- Salter, R. M., Recent research on the use of agricultural chemicals. [herbicides, fungicides, soil fumigants] U. S. Dept. Agric. Bur. Plant Ind., Soils, agric. Engin., Washington, 1951, 19 p.
- Samuel, G., Not proven. [plant disease control by chemicals] Farmers Weekly, London, 35. 1951, nr. 8, p. 57, 59.
- Sartori, G., (Stickers and spreaders.) [insecticides and fungicides] Seme (ital.) 3. 1951, 135—136.
- Sato, S., Noyaku. (Agricultural chemicals.) Tennen-Sha, Tokyo 1951. 379 p.
- Schnicker, J. L., Kemikaliekontrollen in finansåret 1949—50. Tidsskr. Planteavl, København, 54. 1951, 115—131.
- Smith, F. F., Progress report on the use of systemic pesticides. (Abstr.) Proc. amer. Assoc. econ. Ent., North. Centr. States Branch, 6. 1951, 7—9.

- Štanković, A., et Bjegović, P.**, (Essais de lutte contre quelques insectes nuisibles aux plantes cultivées.) Saschita Bilja (Plant Prot.), Beograd, 1. 1951, nr. 3, p. 41—48.
- Tilemans, E. M.**, Essais antiparasitaires aux États-Unis. Parasitica 7. 1951, 133—147.
- Tilemans, E. M.**, Pesticide control problems. [insecticide and fungicide regulation] Agric. Chem. 6. 1951, nr. 2, p. 44—45.
- Tilemans, E. M.**, (Recent developments in phyto-pharmacology in U.S.A.) Meded. Landbouwhogesch. Gent 16. 1951, 238—246.
- Tisdale, W. H.**, Research in the development of insecticides, fungicides and herbicides. Mexico Ofic. Estud. Esp. Fol. Misc. 4. 1951, 392—402.
- Trappmann, W.**, Wirksame Pflanzenschutzmittel und -geräte. Welt (Sdr.beil. Dtsch. Agrarpost) 6. 1951, Nr. 117.
- Trivelli, G.**, L'unification des formalités appliquées à l'homologation des produits antiparasitaires et de leurs substance adjuvantes est-elle possible? 1. Conf. int. Lutte contre Parasites Plantes 3.—6. 10. 1950 Rom. 1951, 99—108.
- Tunblad, B.**, Nya bekämpningsmedel. Växtskydds-notiser, Stockholm, 15. 1951, 82—84.
- Weber, A.**, Blanding af kemikalier. Erhvervsfrugtavl-eren nr. 8. 1951, 4 p.
- Weber, A.**, Schädlingbekämpfung — biologisch oder chemisch. Südwestdtsch. Imker 3. 1951, 194.
- Weinmeister, B.**, Sparsame Schädlingbekämpfung im Feldbau. Pflanzenarzt, Wien, 4. 1951, Nr. 1, S. 3—5.
- Wiesmann, R.**, Die wissenschaftlichen und praktischen Aufgaben unseres Versuchsgutes im Dienste der Schädlingbekämpfung. Die Grüne 79. 1951, 82—86.
- Williams, F. H.**, Pest destroyers; brands registered for 1951. [fungicides, insecticides, vermin destroyers and weed killers] J. Victoria Dept. Agric. 49. 1951, 248, 280—295.
- Antiparassitarii caffaro e parassiti delle piante coltivate.** (Caffaro fungicides and insecticides and parasites of cultivated plants.) Soc. Elettrica, Elettrochimica Caffaro, Milano 1951. 80 p.
- Arizona:** Fifth annual report, economic poisons. Arizona agric. Exp. Stat. Spec. Bull. 1951, 33 p.
- Economic poisons, 1950—51.** Calif. Dept. Agric. Spec. Publ. 240. 1951, 145 p.
- The Fernhurst conference. II.** [chemical weed control, synthetic organic insecticides, fungicides, virus diseases] World Crops 3. 1951, 335—339.
- A guide to the application of insecticides, fungicides and weedkillers.** Plant Protection, Ltd., London 1951. 79 p.
- Handbook on pesticides and their uses in Florida agriculture.** Florida agric. Exp. Stat., Gainesville 1951. 131 p. (rev.).
- Kemikalier til bekaempelse af plantesygdomme og skadedyr.** (Chemicals for control of plant diseases and control.) Stat. Fors.virks. Plantekult., København, Meddel. 250. 11. Ed., 1951, 16 p.
- Liste des produits antiparasitaires 1951.** Rev. rom. Agric., Vitic., Arboric. 7. 1951, 55.
- Pest control in Germany,** Schrader's work on insecticides. Chem. Age 64. 1951, nr. 1663, p. 813—816.
- Pflanzenschutzmittel-Verzeichnis.** Biol. Zentralanst. Berlin, Kleinmachnow 1951. 11 S.
- Pflanzenschutzmittel-Verzeichnis (Auszug).** Verzeichnis amtlich geprüfter und anerkannter Rattenbekämpfungsmittel. Merkbl. Biol. Bundesanst., Braunschweig, Nr. 3. 3. Aufl. 1951, 4 S.
- Pflanzenschutzmittel-Verzeichnis 1951.** — Liste des produits antiparasitaire 1951. Eidgen. Vers.anst. Obst-, Wein- u. Gartenbau Wädenswil, Lausanne u. Oerlikon 1951.
- Pflanzenschutzmittel-Verzeichnis.** Verzeichnis geprüfter und anerkannter Pflanzenschutz- und Schädlingbekämpfungsmittel und -geräte. Biol. Bundesanst., Braunschweig, Merkbl. Nr. 1. 4. Aufl. 1951, 32 S.
- Principales conclusions de la Commission des Produits antiparasitaires à Usage agricole lors de la Séance du 8 Novembre 1951.** Phytoma, Paris, 4. 1951, nr. 33, p. 22—24.
- Problems of pest control.** [Referat] Gard. Chronicle 129. 1951, 17.
- Regulations for the enforcement of the federal insecticide, fungicide, and rodenticide act.** U.S. Dept. Agric., Serv. regul. Announc., P [ack], M[ark], A[ct] nr. 166. 1951, 17 p.
- Report of research panel to study current research and research needs in the field of toxicity of insecticides, fungicides, and herbicides.** U.S. agric. Res. Admin., Washington 1951. 59 p.
- Specialpræparater til bekæmpelse af plantesygdomme og skadedyr anerkendte af Statens Forsøgsvirksomhed.** Gyldig for året 1951. Tidsskr. Planteavl, København, 54. 1951, 705—722.
- Summary tables of biological tests sponsored by the Chemical-Biological Coordination Center.** Nat. Res. Council, Washington, 3. 1951, nr. 1, p. (6+) 1—62; 2, p. (7+) 63—136.

Fungicide im allgemeinen Fungicides in general Fongicides en général

- Cercos, A. P., y Castronovo, A.**, Actividad »in vitro« de la fungocina. An. Soc. sci. Argent. 152. 1951, 68—74 (Inst. Fitotecn., Buenos Aires, Publ. nr. 114).
- Chatelier, P. A.**, Fungicides. 3. Green Thumb, St. Petersburg, 2. 1951, 22, 32.
- Ciferri, R.**, The fungicides experimental centre, Pavia, Italy. Proc. int. Congr. Crop Prot. 2 (1949). 1951, 75—78.

- Cinq-Mars, L., et Petch, C. E.**, Commentaires sur les anciens et nouveaux fongicides. Québec Soc. Pomol. Cult. Fruit. Rapp. Ann. 1950. 1951, 106—113.
- Cronshey, J. F. H.**, Chemical fungicides. Chem. Prod. 14 (n.ser.). 1951, 325—326.
- Cronshey, J. F. H.**, Fungicides, their developments and uses. Fernhurst int. Conf. Proc. 1951, 57—71. — Statist. 154. 1951, nr. 3850 (sup.), p. 30—33.
- Davis, S. H., and Engel, R. E.**, A new material shows promise for brown patch control. Golf Course Repr. 19. 1951, nr. 2, p. 12—13.
- Dimock, A. W.**, The dispersal of viable spores of phytopathogenic fungi by fungicidal sprays. Phytopathology 41. 1951, 157—163.
- Felix, E. L.**, Fungicidal adhesives. Phytopathology 41. 1951, 12.
- Frear, D. E. H.**, Fungicides. In: Frear, D. E. H., Agricultural Chemistry (Van Nostrand, New York), vol. 2. 1951, 521—529.
- Frear, D. E. H., and Kirby, R. S.**, Preventing decomposition in sprays containing dithiocarbamates with copper. Plant Dis. Repr. 35. 1951, 411.
- Gaßner, G.**, Die neuzeitliche Entwicklung der fungiziden Pflanzenschutzmittel. 1. Conf. int. Lutte contre Parasites Plantes 3.—6. 10. 1950 Rom. 1951, 143—154.
- Gattani, M. L.**, Adaptation of fungi to fungicides and its significance in agriculture. Curr. Sci., Bangalore, 20. 1951, 242—243.
- Gjaerum, H. B.**, (Recent fungicides.) Norsk Hagetid. 67. 1951, 32—33. — Gartneryrket 41. 1951, 91—92.
- Görnitz, K., und Harnack, W.**, Zur Frage der fungiziden Wirkung von Benetzungsmitteln. Nachr.bl. dtsh. Pflschutzd., Berlin, NF. 5. 1951, 206—208, 1 Abb.
- Goldsworthy, M. C.**, Fungicidal and phytotoxic properties of 412 synthetic organic compounds. Plant Dis. Repr. Suppl. 205. 1951, 176—189.
- Hafiz, A.**, Fungicides, their preparation and application as based on modes of perpetuation of diseases. Punjab Fruit J. 15. 1951, nr. 51, p. 26—33.
- Hartsuijker, K.**, (Fungicides in agriculture.) Nederl. Landbouwwoorl.dienst Meded. 8. 1951, 320—329.
- Hartsuijker, K.**, De rol der deeltjesgrootte bij fungiciden. (The role of particle size in fungicides.) Meded. Landbouwhoogesch. Opzoekingsstat., Gent, 16. 1951, 279—286.
- Heuberger, J. W.**, Eight years of dithane vs. copper on potatoes in Delaware. Phytopathology 41. 1951, 561—562.
- Hockey, J. F.**, Further results from eradicant fungicides. Nova Scotia Fruit Grower's Assoc. Ann. Rept. 88. 1951, 138—141.
- Holloman, A.**, Correlation of laboratory fungicidal assay and field disease control. Oregon Acad. Sci. Proc. 2. 1948—1951, 81—82 (Abstr.).
- Lesnikov, E. P.**, (Anti-fungus action of phytoncides.) Priroda, Moskva, 40. 1951, nr. 10, p. 56—58.
- Licht, H.**, Der derzeitige Stand des Contra-Nebelverfahrens. Dtsch. Baumsch. 3. 1951, 240—244.
- Lopatecki, L. E., and Newton, W.**, The chelates and their metal combinations as fungicides. Proc. canad. phytopath. Soc. nr. 19. 1951, 17 (Abstr.).
- Marsh, R. W.**, Developments in agricultural fungicides. Nature, London, 167. 1951, 97—98.
- Marsh, R. W.**, Some recent developments in the field of agricultural fungicides. J. sci. Food., Agric. 2. 1951, 241—244.
- Marsh, R. W.**, (Synthetische Fungizide.) Chem. Trade J., chem. Engin., Manchester, 128. 1951, 262—264.
- Mason, C. T., Brown, R. W., and Minga, A. E.**, The relationship between fungicidal activity and chemical constitution. Phytopathology 41. 1951, 164—171.
- Miller, P. R.**, Fungicide tests show good results. Agric. Chem. 6. 1951, nr. 10, p. 63—65, 99—101.
- Miller, P. R.**, 1949, '50 fungicide tests reported. Agric. Chem. 6. 1951, nr. 3, p. 63, 65, 116—117.
- Miller, P. R.**, Organic fungicides. Agric. Chem. 6. 1951, 61—63, 87.
- Neergaard, P.**, (The choice of methods for the testing of fungicides.) Nord. Jordbr.forskn. (danish) 1949—50. 1951, 212—232.
- Nisikado, Y., Nakayama, T., Miyawaki, Y., and Ōshima, S.**, Studies on the methods for testing the effectiveness of fungicides. I. The use of slide glasses as a medium for testing spray materials. II. The use of pot cultured rice plants for testing spray materials against Helminthosporium oryzae infection. Ber. Ohara-Inst., Kurashiki, 9. 1951, 317—328, 377—381.
- Petch, C. E., and Cinq-Mars, L.**, New fungicides. Pomol., Fruit Growing Soc. Prov. Quebec Ann. Rept. 57 (1950). 1951, 93—100.
- Petersen, P. D.**, Fungicides, past and present. Agric. Chem. 6. 1951, nr. 2, p. 41—43, 101, 103.
- Powell, D.**, Fungicides for 1951 in Illinois. Illinois State hort. Soc. Trans. 84 (1950). 1951, 80—84.
- Read, W. H., and Smith, R. J.**, Agricultural fungicides. Soc. chem. Ind. Rept. Progr. appl. Chem. 36. 1951, 677—684.
- Rudakov, B. I.**, (Comparative evaluation of action of various disinfectants on molds.) Priroda (russ.) 40. 1951, nr. 2, p. 73—74.
- Schenk, P. J.**, (Fungicides.) Vakbl. Bloemisterij 6. 1951, 210.
- Sen, A. B., and Joshi, K. C.**, Organic fungicides. III—IV. J. indian chem. Soc. 28. 1951, 331—332, 469—470.

- Wellman, R. H.**, The economics of using fungicides. Contrib. Boyce Thompson Inst. 16. 1951, 295—298.
- Wilson, J. D.**, Field testing of fungicides for vegetable disease control. Phytopathology 41. 1951, 1050 bis 1058.
- Wilson, J. D.**, and **Irons, F.**, The fractionation of fungicidal dust mixtures and some of their ingredients. Agric. Chem. 6. 1951, nr. 9, p. 111—113.
- Yarwood, C. E.**, Fungicides for powdery mildews. Proc. int. Congr. Crop Prot. 2 (1949). 1951, 500—521.
- New fungicide product.** [Vancide 51] Agric. Chem. 6. 1951, nr. 1, p. 69, 90.
- Symposium on fungicides.** Contrib. Boyce Thompson Inst. 16. 1951, 295—386, 6 fig.
- Insektizide im allgemeinen**
Insecticides in general
Insecticides en général
- Angell, C. N.**, Insecticides keep scientists (and farmers) busy. Oregon Farmer 74. 1951, 38, 41.
- Ankersmit, G. W.**, and **Van der Laan, P. A.**, (Results of experimental work with insecticides in the control of agricultural pests of Indonesia.) Landbouw, Bogor, 23. 1951, 423—482.
- Anthony, E. W.**, and **Burts, E.**, Systemic insecticides for controlling aphids and mites. Proc. Washington State hortic. Assoc. 47. 1951, 63—66.
- Appert, J.**, La lutte contre les pucerons et les insecticides systémiques. Cent. Rech. agron., Bambeay, B. 2. 1951, 57—61.
- Arrington, L. G.**, Insecticides. [supply] Chem. Spec. Manufact. Assoc. Proc. 38. 1951, 21.
- Babers, F. H.**, and **Pratt jr., J. J.**, Development of insect resistance to insecticides. II. A critical review of the literature up to 1951. U.S. Dept. Agric. Bur. Ent., Plant Quar. E-818. 1951, 45 p.
- Balachowsky, A. S.**, Avantages et défauts des insecticides organiques de synthèse. Meded. Landb.hogesch. Gent 16. 1951, 270—278 (Symposium Phytopharm., Gent).
- Balachowsky, A. S.**, La lutte contre les insectes. Principes — méthodes — applications. Payot, Paris 1951. 380 p., 57 fig., 8 tab.
- Bargioni, G.**, (Precautions in the use of modern insecticides.) Agric. Ferrarese (ital.) 55. 1951, 135.
- Barro Rubier, M.**, El trabajo de atomizar las plantas, ha de ser rápido y seguro. Campo, Guadalajara, 19. 1951, nr. 4, p. 12.
- Beard, R. L.**, Chemical activity ratios in relation to species-specificity. J. econ. Ent. 44. 1951, 469—471, 1 fig.
- Beran, F.**, **Prey, V.**, und **Böhm, H.**, Untersuchungen über die insektizide Wirkung organischer Verbindungen. 2. Mitt. Die Wirkung zweikerniger, nicht kondensierter aromatischer Verbindungen. Mitt. chem. Forsch.-Inst. Österr. 5. 1951, 43—49.
- Berck, B.**, Chemical determination of insecticides. Manitoba ent. Soc. Proc. 7. 1951, 14—15.
- Bishopp, F. C.**, Agricultural crop yields gain tremendously through use of pesticides. Agric. Chem. 6. 1951, nr. 7, p. 46—48, 105, 107.
- Blas, L.**, (Insektenbekämpfungsmittel. Das Problem ihrer Anwendung.) Chem. Age 64. 1951, 379—380.
- Blas, L.**, (Insektotrope Stoffe.) Ion, Madrid, 1951, 142—145.
- Bonnemaison, L.**, Essais préliminaires sur les insecticides télétoxiques ou systémiques. Rev. Path. vég. Ent. agric. France 30. 1951, 3—15, 7 fig.
- Bonnemaison, L.**, Les insecticides télétoxiques ou systémiques. Minist. Agric. France Bull. Techn. Inform. 1951, 223—226.
- Boselli, F. B.**, Mezzi di lotta contro i parassiti animali delle piante. 1. Conf. int. Lutte contre Parasites Plantes 3.—6. 10. 1950 Rom. 1951, 337—341.
- Bottger, G. T.**, **Yerington, A. P.**, and **Gertler, S. I.**, Preliminary tests of synthetic organic compounds as insecticides. VII. U.S. Dept. Agric. Bur. Ent., Plant Quar. E-826. 1951, 23 p.
- Brannon, D. H.**, New insecticides — their uses and limitations. Washington State Coll. Ext. Mimeogr. 1042. 1951, 2 p.
- Brown, A. W. A.**, The development of resistance of insects to insecticides. Ontario ent. Soc. Ann. Rept. 81 (1950). 1951, 34—35.
- Brown, A. W. A.**, Insect control by chemicals. Chapman & Hall, Ltd., London 1951. VII + 817 p., 101 fig.
- Buendía, A.**, Insecticidas modernos. Mensajero Agr. 67/68. 1951, 61—63.
- Carruth, L. A.**, The never insecticides. Progr. Agric. Arizona 2. 1951, nr. 4, p. 6, 11.
- Chatelier, P. A.**, Insecticides. II. Their use and precautions. Green Thumb (St. Petersburg) 1. 1951, nr. 10, p. 12—13.
- Chisholm, R. D.**, Insecticide formulation. Agric. Chem. 6. 1951, nr. 11, p. 36—37, 109—111.
- Choquette, C.**, Savez-vous employer les insecticides? Bull. Agric. 47. 1951, nr. 2, p. 12—13.
- Ciferri, R.**, (Innovations and recent trends in the field of agricultural antiparasitics.) Humus (ital.) 7. 1951, nr. 9, p. 10—13.
- Collingwood, C. A.**, Insecticide trials in West Midland orchards, 1951. Worcestershire agric. Chron. 19. 1951, 297, 299, 301.
- Conklin, J. G.**, Insect control experiments in 1950. J. New Hampshire hortic. Soc. 14. 1951, 115—117.
- Corkins, J. P.**, Systemics-insecticides of the month. Bugs 4. 1951, 56—58.
- Cutcomp, L. K.**, Insecticides for the garden, for the home, for the field. Minnesota Univ. agric. Ext. Bull. 263. 1951, 23 p.

- Dahms, R. G., Guthrie, W. D., and Sieglinger, J. B.,** Insecticide-treated bags protect sorghum heads. *Crops and Soils* Dec. 1951, 1 p., 3 fig. (*Agric. Bull. (Shell)* ADB. 201.)
- De la Torre R., G.,** Manual práctico de insecticidas y control de plagas. *Serv. Coop. interamer. Prod. Aliment., Ser. Inform. Téc.* 60. 1951, 42 p.
- Del Bosque Flores, R., y Marquez Delgado, A.,** Nuevos insecticidas experimentados sobre *Melanoplus mexicanus mexicanus* (Saussure), *Sphenarius purpurascens* (Charpentier) y observaciones hechas en la campaña contra la langosta, *Schistocerca paranensis* (Burm.). *Mexico Ofic. Estud. Espec. Fol. Misc.* 4. 1951, 362—379.
- Del Rivero, J. M.,** Algunos errores que se cometen en la propaganda de los insecticidas. *Bull. Inst. Nac. Invest. Agron. (Spain)* 11. 1951, 481—488.
- Dimock, A. W.,** The dispersal of viable fungus spores by insecticides. *Phytopathology* 41. 1951, 152—156.
- Dovaston, H. F.,** Systemic insecticides. *Gardng. ill.*, London, 68. 1951, 19—20.
- Ducourtial, P.,** L'ennemi menace vos cultures; insecticides de contact. *Bull. Engrais* 329. 1951, 54—56.
- Ekholm, S.,** (Importance of temperature for effect of insecticides.) *Nord. Jordbr.forskn.* 2/3. 1951, 513.
- El-Zoheiry, M. S.,** Efficiency of some of the new organic insecticides in controlling insect pests in Egypt. *Proc. int. Congr. Crop Prot.* 2 (1949). 1951, 134—137.
- Emery, G. A.,** Progress in crop protection. *Export Rev. brit. Drug, chem. Ind.* 12. 1951, nr. 140, p. 37—40.
- Eyer, J. R.,** New insecticides for garden insects. *New Mexico agric. Exp. Stat. Bull.* 361. 1951, 24 p.
- Fales, J. H., and Stout, O. O.,** Aerosol tests against the oriental fruit fly and other insects. *J. econ. Ent.* 44. 1951, 608—610, 2 fig.
- Favreau, A.,** Ils mangent encore à la même table. *Bull. Agric.* 47. 1951, nr. 2, p. 14—15, 67.
- Fenjves, P.,** Los insecticidas agrícolas modernos, sus beneficios y sus peligros. *Vida Rur., Caracas*, 12. 1951, nr. 9, p. 16—20.
- Fenjves, P.,** Los insecticidas agrícolas y su uso en Venezuela. *Venezuela Div. Ent., Zool. Bol. Técn.* 4. 1951, 91 p.
- Fiero, J. B., Garduño, R., y Rojas, B.,** Insecticidas y fertilizantes. *Crédito, Técn. agric. (Mexico)* 1. 1951, nr. 27, p. 15—17.
- Finkelglus, A. M.,** (Wirksames Präparat zur Bekämpfung der Schildläuse.) [Nr. 47 497, Kl. 451/3] (*Natur*), Moskau, 40. 1951, 71.
- Florey, E.,** Untersuchungen über den Wirkungsmechanismus von Insektiziden. *Pflanzenschutzberichte*, Wien, 6. 1951, 134—152, 8 Abb.
- Forgash, A. J.,** The effect of insecticides and other toxic substances upon the reduced glutathione of *Periplaneta americana*. *J. econ. Ent.* 44. 1951, 870—878, 5 fig.
- Fulton, R. A.,** Insecticidal aerosols. *Soap, sanit. Chem.* 35. 1951, nr. 9, p. 141, 143, 145.
- Gaines, J. C., and Mistric jr., W. J.,** Effect of rainfall and other factors on the toxicity of certain insecticides. *J. econ. Ent.* 44. 1951, 580—585, 2 fig.
- Galley, R. A. E.,** Protection of crops and grasslands against insects. *U. Nat. sci. Conf. Conserv., Util. Resources Proc.* 6. 1951, 310—315.
- Chidini, G. M.,** (Modern methods for insect control.) *Sci. e Lav.* 6. 1951, nr. 5, p. 1—56.
- Giulianelli, E.,** (Spring-summer control of insects.) *Agric. romagnola* 1951, nr. 6, p. 1.
- Gleissner, B. B.,** New developments in insecticides for fruits and vegetables. *J. New Hampshire hort. Soc.* 14. 1951, 39—45.
- Gonçalves, C. R., Sobral, R. P., and Schuller, K.,** (The ideal formicide.) *Seleç. Agr.* 6. 1951, nr. 58, p. 19—22.
- Gould, E.,** Some new developments in insect control. *Mountaineer Grower* 21. 1951, nr. 186, p. 3—7.
- Gould, G. E.,** Preliminary tests with systemic insecticides. *Indiana Acad. Sci. Proc.* 60 (1950). 1951, 187—191.
- Greenslade, R. M.,** The practical uses of systemic insecticides. *Proc. 2nd int. Congr. Crop Prot.* 1949. 1951, 158—161.
- Griffin, E. L.,** Birth pangs of a pesticide. [steps in registration of an insecticide] *Farm Chem.* 114. 1951, nr. 8, p. 11—12.
- Guerrero Torres, R.,** La efectividad de los insecticidas. I—II. *Campo, Tacuba*, 19 (ser. 2). 1951, nr. 716, p. 63—66; nr. 717, p. 67—68, 70.
- Hadaway, A. B., and Barlow, F.,** Sorption of solid insecticides by dried mud. *Nature, London*, 167. 1951, 854.
- Hadaway, A. B., and Barlow, F.,** Studies on aqueous suspensions of insecticides. *Bull. ent. Res.* 41. 1951, 603—622, 1 tab.
- Hall, W. C., and Johnson, S. P.,** A bio-assay for hormone contamination of insecticides. *Texas agric. Exp. Stat. Progr. Rept.* 1421. 1951, 5 p.
- Haller, H. L.,** Problems facing the insecticide industry. *Agric. Chem.* 6. 1951, nr. 10, p. 42—44.
- Hartley, G. S.,** Chemistry of systemic insecticides. *Pest Control Ltd., Cambridge* 1951. 8 p.
- Hartley, G. S.,** First steps in the biochemistry of systemic insecticides. 15th int. Chem. Congr., New York, 11. 9. 1951, 12 p.

- Harvey, G. T., and Brown, A. W. A.,** The effect of insecticides on the rate of oxygen consumption in *Blattella*. [*Blattella germanica*] *Canad. J. Zool.* 29. 1951, 42—53, 8 fig.
- Heffernan, T. H., Smith, R. F., and Smith, G. L.,** The California plan of supervised insect control. *Cotton Gin, Oil Mill Press* 52. 1951, nr. 9, p. 20, 22.
- Hepburn, G. A., and Bishop, H. J.,** Control of false codling moth (*Argyroplote leucotreta*) by means of insecticidal sprays. *Farming South Afr.* 26. 1951, 375—378.
- Hibbs, E. T., and Weaver, C. R.,** A field test of some organic insecticides for control of the armyworm. [*Cirphis unipuncta*] *J. econ. Ent.* 44. 1951, 122.
- Hitchner, L. S.,** Insecticide supply situation. *Cotton Gin, Oil Mill Press* 52. 1951, nr. 5, p. 84, 86—87.
- Hitchner, L. S.,** Insect invasions test distribution channels of agricultural chemicals. [insecticides outlook] *Chem., engin. News* 29. 1951, 40—41.
- Hixson, E., Mickle, G., Wakelan, C., Moore, L., Pfadt, R. E., and Pepper, J. H.,** New developments in control of injurious insects; panel discussion. [aphid and grasshopper control] *Great Plains Agr. Council Proc.* 1951, 28—38.
- Hofmaster, R. N.,** Some aspects of insect control. *Virginia J. Sci.* 2 (n. ser.). 1951, 295 (Abstr.).
- Hopkins, D. P.,** Review of new insecticides. *Chem. Prod.* 14 (n. ser.). 1951, 94—98.
- Jannone, G.,** Considerazioni sui piu adatti metti di difesa e di lotta contro i parassiti animali nocivi alle piante 1. Conf. int. Lutte contre Parasites Plantes 3.—6. 10. 1950 Rom. 1951, 332—336.
- Kerr jr., T. W.,** The chemotherapeutic value of several insecticides for larvae of certain leaf mining insects. *J. econ. Ent.* 44. 1951, 493—498.
- Lalatta, F.,** (Distilled oil base insecticides.) *Italia Agric.* 88. 1951, 108—112.
- Laplane, A. A.,** Important changes in insect control recommendations. *New York State hort. Soc. Proc.* 96. 1951, 178—183.
- Lilly, J. H.,** Insecticides for the control of soil insects. *Amer. Seed Trade Assoc. Hybrid Corn Ind. Res. Conf. Proc.* 6. 1951, 53—65.
- Livingston, A. M.,** New materials and methods for pest control. [insecticides and herbicides] *Publ. Works* 82. 1951, nr. 3, p. 46—47.
- McDonnell, C. C.,** Insecticide laws — up-to-date. *Soap, sanit. Chem.* 27. 1951, nr. 5, p. 110—111, 113, 115, 135.
- MacLagan, D. St.,** Modern insecticides and the balance of nature. *Nature, London*, 168. 1951, 360—362.
- Major, W. A.,** Modern insecticides. *Pharm. J.* 166. 1951, 4, 112.
- Marsh, R. W.,** (Insektizide im Jahre 1950.) *Chem. Age* 64. 1951, 91—93.
- Marsh, R. W.,** (Über die Entwicklung neuer Insektizide.) *Chem. Age* 64. 1951, 48.
- Martin, H.,** Les possibilités et les avantages des nouveaux insecticides. *Phytoma, Paris*, 4. 1951, nr. 22, p. 22—24.
- Martin, J. T.,** Agricultural insecticides. *Soc. chem. Ind. Rept., Progr. appl. Chem.* 36. 1951, 684—692.
- Matsubara, H.,** (Biochemical mechanism of synergistic action in insecticides.) *Botyu-Kagaku* 16. 1951, 234—239.
- Mayer, E. L., Nelson, R. H., Woodward, C. F., and Willaman, J. J.,** Effect of the ratios of nicotine to bis (p-chlorophenyl) sulfide and bis(p-chlorophenyl) disulfide on synergism. *J. econ. Ent.* 44. 1951, 946—949, 2 fig.
- Mayer, K.,** Zur Problematik der neuen Kontaktinsektizide. *Nachr.bl. dtsh. Pfl.schutzd., Berlin*, NF. 5. 1951, 81—85.
- Mayfield, P.,** Insecticide supply outlook for 1952 and industry's research program. *Cotton Insect Control Conf. Proc.* 5. 1951, 7—13.
- Melis, A.,** Uso dei moderni insetticidi di sintesi contro i parassiti animali delle piante e dei prodotti agricoli. 1. Conf. int. Lutte contre Parasites Plantes 3.—6. 10. 1950 Rom. 1951, 173—185.
- Meyer, E.,** Das Problem der Insektizidresistenz. *Schädlingbekämpfung* 43. 1951, 161—164.
- Mitchener, A. V., and Thorsteinson, A. J.,** A summary of results of insecticide trials. *Manitoba ent. Soc. Proc.* 7. 1951, 10—12.
- Monro, H. A. U.,** The relation of space fumigants to the problem of insect resistance to insecticides. *Ontario ent. Soc. 81th Ann. Rept. (1950).* 1951, 37—41.
- Monro, H. A. U.,** Die Resistenz von Insekten gegen Insektizide. *Anz. Schäd.lkunde* 24. 1951, 130—136, 2 Abb.
- Morrison, F. O.,** Morphological and habit changes correlated with resistance to insecticidal treatment. *Ontario ent. Soc. Ann. Rept.* 81 (1950). 1951, 41—43.
- Morrison, H. E., and Crowell, H. H.,** Results of 1951 residual soil insecticide investigations. *Agric. Bull. (Shell) ADB.* 146. 1951, 14 p.
- Morrison, H. E., and Crowell, H. H.,** A summary of results with residual soil insecticides. *Agric. Bull. (Shell) ADB.* 129. 1951, 4 p.
- Muacevic, G.,** (Sur les insecticides nouveaux.) *Arh. za Kem. (croat.)* 22. 1951, 283—286.
- Munro, J. A., and Post, R. L.,** Emergency insect control in North Dakota. *J. econ. Ent.* 44. 1951, 117—118.
- Murphree, L. C.,** Kill field crop insects. *Mississippi State Coll. Ext. Publ.* 196. 1951, 8 p.

- Musgrave, A. J.**, Histophysiology and insecticide action. Ontario ent. Soc. Ann. Rept. 81 (1950). 1951, 26—33.
- Neurath, F.**, Research on contact insecticides. Chem. Age 65. 1951, 485—488.
- Nightingale, A. E.**, Selecting insecticides. Atlantic Co. Vocat. Bull. 25 (i. e. 30). 1951, nr. 6, p. 1—2.
- Owens, P. N.**, Los insecticidas; historia y desarrollo. Ofic. Sanit. Panamer. B. 31. 1951, 28—38.
- Pampana, E. J.**, Lutte antipaludique par les insecticides à action rémanente. Résultats des grandes campagnes. Bull. Org. mond. Santé, Genève, 3. 1951, 557—619.
- Peretz, J.**, (The application of systemic insecticides for the control of insect pests.) Hassadeh [hebr.] 31. 1951, 251—253.
- Petty, B. K.**, Recent developments in insecticides. Un. South Afr. Dept. Agric. Sci. Bull. 329. 1951, 20 p.
- Pltho, O. v.**, (Systemische organische Insektizide.) Chem. Trade, J. chem. Engin., 128. 1951, 437—438.
- Post, R. L., McCalley, R. W., and Munro, J. A.**, Insect control and yields from insecticidal plots, 1950. North Dakota agric. Exp. Stat. Bimonthly Bull. 13. 1951, 150—153.
- Potter, C.**, Insecticides and their study. Chemist and Druggist 155. 1951, 313—314. — J. R. Soc. Arts, London, 99. 1951, 388—407.
- Potter, C.**, Specific and selective action of insecticides. West austr. Farmers Co-op Gaz. 20. 1951, 301, 303—304.
- Princi, F.**, Environmental health aspects of certain agricultural pesticides. Agric. Chem. 6. 1951, nr. 2, p. 30—33.
- Ripper, W. E.**, The outlook for systemic insecticides. Citrus Grower 207. 1951, 9, 11—12.
- Ripper, W. E., Greenslade, R. M., and Hartley, G. S.**, Selective insecticides and biological control. J. econ. Ent. 44. 1951, 448—459, 11 fig.
- Roark, R. C.**, List of publications of the Division of Insecticide Investigations, January 1, 1951, to June 30, 1951. U.S. Dept. Agric. Bur. Ent., Plant Quar., Washington, 1951, 3 p.
- Roka, L.**, Über den Wirkungsmechanismus der Kontaktinsektizide. Ztschr. hyg. Zool. 39. 1951, 14—23.
- Sakai, S., Sato, M., and Kojima, K.**, (Insect toxicological studies on the joint toxic action of insecticides. II. On the joint toxic action between contact insecticides. 1—2. Botyu-Kagaku, Kyoto, 16. 1951, 130—140. — Oyo-Kontyu 7. 1951, 80 (Abstr.), 135—144.
- Sauer, H. F. G.**, (Selectivity of organic insecticides.) Bol. Supt. Serv. Café, São Paulo, 26. 1951, 655—658.
- Schrader, G.**, Die Entwicklung neuer Insektizide auf Grundlage organischer Fluor- und Phosphor-Verbindungen. Verl. Chemie, Weinheim/Bergstr. 1951 (Monogr. »Angewandte Chemie« u. »Chemie-Ingenieur-Technik« Nr. 62). 62 S.
- Schuder, D. L.**, Systemic insecticides. Hoosier Hort. 33. 1951, 142—144.
- Sharp, S. S.**, Insecticides. Agric. Chem. 6. 1951, nr. 3, p. 32—34, 111, 113—114.
- Sharp, S. S.**, Origins of the modern insecticide industry. — Origenes de la industria insecticida moderna. Agric. News Let. (E. I. Du Pont de Nemours & Co.) 19. 1951, 83—88. — Sheep, Goat Raiser 32. 1951, nr. 3, p. 20—22. — Bol. Agr. (E. I. Du Pont de Nemours & Co.) 8. 1951, nr. 6, p. 1—9.
- Shepard, H. H.**, The chemistry and action of insecticides. McGraw-Hill Book Comp., Inc., New York/Toronto/London 1951. VII + 504 p., 22 fig.
- Shepard, H. H.**, Outlook for necessary raw materials. Cotton Insect Control Conf. Proc. 5. 1951, 5—7.
- Simkover, H. G.**, Insecticides are older than you think. Washington State [Dept.] Agric. 14. 1951, 6—7, 12.
- Simmons, S. W., and Upholt, W. M.**, Disease control with insecticides. Bull. World Health Org. 3. 1951, 535—556.
- Smit, B.**, The chemical control of insect pests. Farming South Afr. 26. 1951, 49—51.
- Somarrriba, L.**, Como se desarrolla el programa de control de insectos en Nicaragua. Nicaragua Minist. Salubridad Públ. Bol. Sanit. 9. 1951, nr. 52, p. 16—17.
- Spencer, C. B.**, Do you plan insect control? Future Farmer 23. 1951, nr. 10, p. 8.
- Stapley, J. H.**, Utilité et limitations d'emploi des insecticides organiques synthétiques. Phytoma, Paris, 4. 1951, nr. 29—30, p. 14—16, 1 fig.
- Stapley, J. H., a.o.**, Synthetic organic insecticides—their value and limitations. Fernhurst int. Conf. Proc. 1951, 41—55. — Statist 154 (3850, sup.). 1951, 36—39. — Chem. Age 64. 1951, 985—987 (Extr.).
- Starnes, O.**, Some new insecticides. New Jersey Farm, Gard. 22. 1951, nr. 12, p. 42—43, 85.
- Steiner, P.**, Die synthetischen Kontaktinsektizide und ihre Bedeutung für die Schädlingsbekämpfung im Zuckerrübenbau. Zucker Nr. 1. 1951, 4 S.
- Thorp, D.**, The determination of certain synthetic insecticides by solubility methods. Int. Congr. Crop Prot. Proc. 2 (1949). 1951, 438—452.
- Tirelli, M.**, (New methods of controlling destructive insects.) Terra e Sole (ital.) 107. 1951, 265.
- Townes, H.**, Test of insecticides in transplanting water against wireworms. Agric. Bull. (Shell) ADB. 166. 1951, 2 p.

- Turk, R. D.**, Synthetic insecticides. Southwest. Vet. 5 1951, 15—18.
- Van Thiel, P. H.**, The repellent effect of insecticides, especially of contact insecticides. Doc. Neerland . Indonesica Morbis Trop. 3. 1951, 117—125.
- Vayssiére, P.**, Quelques remarques sur la protection des cultures contre les insectes. Compt. rend. Acad. Agric. France 37. 1951, 456—461.
- Vayssiére, P.**, Sur l'emploi des insecticides en agriculture. Inform. Marocaine 567. 1951, 1—2.
- Vega Macchiavello, J. A.**, Insecticidas modernos; para su aplicación es necesario conocer sus propiedades y los efectos tóxicos. Mensajero Agric. 65. 1951, 19—20.
- Viado, G. B.**, Systemic insecticides. Agric., ind. Life 13. 1951, nr. 10, p. 6, 26.
- Wanijew, A. D.**, (Versuch zur Bekämpfung von landwirtschaftlichen Schädlingen mit Hilfe eines in die Pflanzengewebe eindringenden Insektizids.) (Ber. All-Un. landw. Lenin-Akad.) 16. 1951, Nr. 3, S. 43—48.
- Watts, J. G.**, A review of research on insecticide-fertilizer mixtures for soil insect control in the Southeast. Assoc. south. agric. Workers Proc. 48. 1951, 67—68 (Abstr.).
- West, T. F., Hardy, J. E., and Ford, J. H.**, Chemical control of insects. Chapman & Hall, Ltd., London 1951. XI + 211 p., 44 fig.
- Weyl, V. E.**, Extermine las plagas con insecticidas modernos. Hacienda 46. 1951, nr. 9, p. 42—45. — Assoc. Gen. Agr. Bol. 308. 1951, 4—5; 309. 1951, 4.
- White, A. N.**, Insect control as affected by the freeze. Texas Farming, Citricult. 27. 1951, nr. 8, p. 9.
- Wiesmann, R., und Kocher, C.**, Untersuchungen über ein neues, gegen resistente *Musca domestica* L. wirksames Insektizid. Ztschr. angew. Ent. 33. 1951, 297—321, 7 Abb.
- Wille, J. E.**, Formas recomendables para controlar los insectos dañinos que atacan a las plantas cultivadas en el Peru (ampliada y corregida). Centr. Nac. Invest., Exp. Agr., La Molina, Divulg. Agr. 12. 1951, 63 p.
- Wilson, G. F.**, Systemic insecticides. J. R. hort. Soc., London, 76. 1951, 165—168.
- Wolfenbarger, D. O., and Kelsheimer, E. G.**, Fertilizer-insecticide combination for armyworm (*Cirphis unipunctata*), mole-cricket and wireworm control. Florida State hort. Soc. Proc. 63 (1950). 1951, 93—95.
- Yates, R. T.**, The insecticide outlook for 1951. (Excerpts.) Acco Press 29. 1951, nr. 3, p. 12—13.
- Young, L. A., and Nicholson, H. P.**, Stream pollution resulting from the use of organic insecticides. Assoc. south. agric. Workers Proc. 48. 1951, 92—93 (Abstr.).
- Chigger** (*Eutrombicula alfreddugèsi*) control. U.S. Dept. Agric. Bur. Ent., Plant Quar. L. 302. 1951, 7 p.
- Insect control**; recommendations for Wisconsin in 1951. Wisconsin agric. Coll. Ext. Stencil Circ. 287 (rev.). 1951, 16 p.
- Insecticide** manufacture in Germany. Mfg. Chem. 22. 1951, 273—275.
- Insecticides modernes**: n'exagérons pas les doses! Bull. Soc. R. Forest. Belgique 58. 1951, nr. 1, p. 24.
- Insectos e insecticidas** en la campaña algodonera 1950—1951. Vida Agric. (Lima) 28. 1951, 517, 519, 521, 523, 525, 527, 529—530.
- Neuzeitliche Drahtwurm bekämpfung**. Rhein. Bauernztg. 5. 1951, 358.
- New insecticide** in Gold Coast field trials. [»Hannane«] Chem. and Ind. nr. 23. 1951, 433—446.
- New insecticide** is selective — it kills only bad bugs; when Isopestox (bis-isopropylaminofluorophosphine oxide) is applied to the roots of a plant, the sap stream will carry it to the feeding places of damaging insects. Chem. Engin. 58. 1951, nr. 7, p. 164—165.
- New systemic insecticide** by Pitts, Agric. Chem. Co. Agric. Chem. 6. 1951, nr. 1, p. 67—69.
- Progress** with systemic insecticides. World Crops 3. 1951, 148—149.
- Recent** chemical developments and their effect on farm and orchard practice. Plant Prot., London, 1951, 52 p.
- Symposium** on the development of resistance of insects to insecticides. Ontario ent. Soc. Ann. Rept. 81 (1950). 1951, 33—50.
- Systemic insecticides**. Chem. Age 64. 1951, nr. 1656, p. 511.
- Toxic fog** for anti-parasite work. Empire Forestry Rev. 30. 1951, 72—74, 2 fig.

Herbizide im allgemeinen Herbicides in general Herbicides en général

(Siehe auch: Hormone)

See also: hormones — Voyez aussi: hormones,
p. 354.)

- Albert, W. B.**, Chemical weed control in corn and cotton by pre-emergence and post-emergence applications of herbicides. South Carolina agric. Exp. Stat. Circ. 80. 1951, 16 p.
- Allen, W. W.**, The story of chemical herbicides. Agric. Chem. 6. 1951, nr. 5, p. 45, 97—98, 101.
- Altona, R. E., and Mentz, N. J.**, Selective weedkiller increases maize yields and reduces labour. Afr. Explos., chem. Ind., Johannesburg, 1951, 2 p.

- Baldacci, E., Ciferri, R., Grancini, P., Marini, E., Paulin, G., and Tomaselli, R., (Report on selective chemical weeding on wheat, rice and corn during the year 1950.) *Not. Mal. Piante* nr. 14. 1951, 52—63.
- Ball, C. E., There is less work and more profit; farming with chemicals. *Farm, Ranch south. Agric.* 81. 1951, nr. 2, p. 12—13.
- Beatty, R. H., Possibilities of dormant basal sprays. *Northeast. Weed Control Conf. Proc.* 5 (sup.). 1951, 71—72.
- Blackman, G. E., (The most recent developments in the field of herbicides.) *Agric. Venezie* 5. 1951, 152—154.
- Blackman, G. E., Templeman, W. G., and Halliday, D. J., Herbicides and selective phytotoxicity. *Ann. Rev. Plant Physiol.* 2. 1951, 199—230.
- Blackman, G. E., and Woodford, E. K., Chemical weed control. *J. Yorkshire agric. Soc.* 102. 1951, 38—43.
- Bohmont, D. W., Control of poisonous plants with selective herbicides on Wyoming rangeland. *Wyoming Range Managem.* 41. 1951, 6 p.
- Breitenstein, W., (Experiences from last summers spraying of weeds.) *Labor, Helsingfors*, 35. 1951, nr. 7, p. 11—13.
- Buckley, T. A., Notes on the control of trees and weeds by phytocides. *Malayan agric. J.* 34. 1951, 27—31.
- Carder, A. C., Chemical control of weedy grasses. *West. canad. Weed Control Conf. Proc.* 4. 1951, 81—94.
- Carder, A. C., Effect of chemicals on weedy grasses. *West. canad. Weed Control Conf. Proc.* 5. 1951, 106—124.
- Chesalin, G. A., Khimicheskie mery bor'by s sorniakami. (Chemical measures for weed control.) *Gos. Izd-vo Selkhoz Lit-ry, Moskva*, 1951, 15 p.
- Chiappelli, R., Prove col diserbante »Sandoz«. *Risicoltura* 39. 1951, 12.
- Ciaravellini, L., (Tests with selective weed killers.) *Agric. toscana* 6. 1951, 221.
- Ciferri, R., I diserbanti selettivi: principi, mezzi e fini. *Italia agric.* 88. 1951, 724—730.
- Ciferri, R., (Selective herbicides.) *Inform. fitopat. (ital.)* 14. 1951, 1—2.
- Ciferri, R., (Selective weed killers: principles, methods, and purposes.) *Italia agric.* 88. 1951, 724—730.
- Ciferri, R., e Bertossi, F., Metodi biologici di saggio degli erbicidi selettivi. *Atti Ist. bot. Univ. Pavia* 8. 1951, 167—176.
- Claus, A., Neue Unkrautbekämpfungsmittel. *Seifen-Öle-Fette-Wachse* 77. 1951, 126—129.
- Cock, R. E., Chemical weed control. *Tasmanian J. Agric.* 22. 1951, 64—69.
- Cohen, G., (Small-volume sprayers for weed control.) *Hassadeh (hebr.)* 31. 1951, 186—188.
- Coombes, S. N., Quelques notes sur les herbicides et leur emploi. *Rev. agric. Île Maurice* 30. 1951, 237—239.
- Corns, W. G., Field experiments with herbicides. *Alberta Univ., Dept. Plant Sci., Seas. Notes* 36. 1951, 1—2.
- Coulter, L. L., Advancement in the use of chemicals and equipment for chemical weed control. *Ohio State Univ. Short Course Roadside Developm.* 10. 1951, 70—76.
- Coulter, L. L., Chemical brush control. *Elect. News, Engin.* 60. 1951, nr. 8, p. 77—78, 80.
- Coulter, L. L., Dormant season chemical brush control. *Agric. Chem.* 6. 1951, nr. 8, p. 34—36, 99.
- Currier, H. B., Herbicidal properties of benzene and certain methyl derivatives. *Hilgardia* 20. 1951, 383—406, 7 fig.
- Davidson, J. G., The effect of chemicals on annuals and common perennials. *West. canad. Weed Control Conf. Proc.* 5. 1951, 76—93.
- DeFrance, J. A., and Simmons, J. A., Inhibiting weeds in seedbeds with chemicals. *Proc. amer. Soc. hortic. Sci.* 57. 1951, 355—360.
- Dennison, R. H., La química en múltiple función herbicida. *Hacienda* 46. 1951, nr. 5, p. 48—49.
- De Rege, F., Il diserbo chimico e l'influenza su di esso esercitata dalla attività superficiale dei liquidi e delle soluzioni impiegate. (Chemical weed control and effect of surface activity of the liquid and the solutions employed.) *Risicoltura* 39. 1951, 294—296.
- Duncan, A. A., Thistle — experimental work in chemical control. *Nat. Weeds Conf. New Zealand Proc.* 4. 1951, 33—35.
- Duncan, D. A., Chemical control of common perennial weeds. *West. canad. Weed Control Conf. Proc.* 4. 1951, 57—64.
- Eggink, H. J., en Riepma, P., (Preliminary communication on the influence of chemical weed killers on the yield of cereal crops.) *Maandbl. Landbouwworl.-dienst* 8. 1951, 101—103.
- Eggink, H. J., and Riepma, P., Problems of chemical weed control. *Gestencilde Meded. Centr. Inst. landbouwkdg. Onderz., Wageningen*, 1951, 9 p.
- Elder, W. C., and Gassaway, J., Chemical control of brush. *Oklahoma agric. Exp. Stat. Mimeogr. Circ.* M-218. 1951, 8 p. — *Texas Livestock J.* 10. 1951, nr. 6, p. 8—9, 21—22, 24.
- Engel, Moderne Unkrautbekämpfungsmittel! *Bauern-Ztg.* 4. 1951, nr. 24, p. 4.
- Ennis jr., W. B., Effect of leaf surface upon the retention of herbicidal sprays. *South. Weed Conf. Proc.* 4. 1951, 14.

- Escritt, J. R.**, Selective weedkillers. *J. Sports Turf Res. Inst.* 8. 1951, 80—83.
- Evans, H.**, The control of weeds with selective synthetic herbicides in the Colony of Mauritius. *Overseas Rev.* 2. 1951, 10—19.
- Fairbanks, G. E.**, Important points in the selection and operation of weed spraying equipment. In: *Weed Handbook* (Kansas Board Agric.), Topeka, 1951, 8—11.
- Ferguson, H. C.**, Five year progress on chemical application methods for right-of-way control. *Northeast. Weed Control Conf. Proc.* 5 (sup.). 1951, 61—65.
- Ficht, J. P.**, Chemical control of annual weeds. *West. canad. Weed Control Conf. Proc.* 4. 1951, 47—57.
- Fraser, D. D.**, Merchandising of herbicides. *West. canad. Weed Control Conf. Proc.* 4. 1951, 117—120.
- Frear, D. E. H.**, Herbicides. In: *Frear, D. E. H., Agricultural Chemistry* (Van Nostrand, New York), vol. 5. 1951, 531—538.
- Garese, P.**, Herbicidas selectivos. *IDIA (Inform. Invest. agríc., Argentina)* 4. 1951, nr. 42/43, p. 14—21.
- Green, K. R.**, Selective weedkillers. *Queensl. Fruit, Veg. News* 2. 1951, nr. 3, p. 19—20.
- Gysel, A.**, Versuche über die Verwendung neuerer Unkrautbekämpfungsmittel. *Landw. Jahrb. Schweiz* 65. 1951, 684—702, 10 Abb.
- Hall, H. H.**, Chemical weed control with straight cade. *Hawaii. Sugar Technol. Rept.* 10. 1951, 46—49.
- Hardy, S. K.**, Brush killing chemicals. *Massachus. Farm Bur. Dec.* 1951, 13, 28.
- Hattingh, E. R.**, Can weed-killers be used in thorn scrub control? *South afr. Weed Control Conf. Proc.* 1. 1951, 43—48.
- Havis, J. R.**, Chemical weed control in nurseries. *Amer. Nurseryman* 93. 1951, nr. 5, p. 13.
- Heagy, A. B.**, Report on herbicides. *J. Assoc. Off. agric. Chem.* 34. 1951, 674.
- Herbert, G. H.**, Weed control in crops by low-volume spraying. *J. south austr. Dept. Agric.* 54. 1951, 455—456.
- Hogue, L. E., Rothgeb, R. G., and Stabler, S. P.**, Chemical weed control in field crops. *Maryland agric. Coll. Ext. Fact Sheet* 13. 1951, 4 p.
- Holly, K.**, The use of synthetic growth-regulating substances for the selective control of perennial weeds. *Int. Congr. Crop Prot. Proc.* 2 (1949). 1951, 207—212.
- Holstun jr., J. T.**, Recommendations for tentative chemical weed control practices for the Delta area. *Cotton Gin, Oil Mill Press* 52. 1951, nr. 10, p. 24, 26.
- Jacobs, H. L.**, Chemical brush control on rights-of-way. *Northeast. Weed Control Conf. Proc.* 5 (sup.). 1951, 99—106. — *Agric. News Letter* (E. I. Du Pont de Nemours & Co.) 19. 1951, 51—54.
- Jacobs, H. L.**, What can a contractor give the utility companies with present chemicals. [brush control] *Northeast. Weed Control Conf. Proc.* 5 (sup.). 1951, 57—59.
- Jacobson, G.**, (Weed free crops is the goal.) *Lantmannen* (swed.) 35. 1951, 278—281.
- Jacobson, G., and Sundelin, G.**, (Extermination of bushes with chemicals.) *Svensk Jordbr.forskn.* 1951, 136—141.
- Jasmin, J. J., Ferguson, W., and Lyall, L. H.**, Some results with oils of differing aromatic content and other weed control chemicals. *Canada nat. Weed Comm., east. Sect., Proc.* 4. 1951, 46—50.
- Klingman, G. C.**, Kill weeds with chemicals instead of plows. *Progr. Farmer* (Mississippi-Arkansas-Louisiana Ed.) 66. 1951, nr. 5, p. 16.
- Klingman, G. C.**, Weed war gains momentum; chemicals make headway against age — old nemesis of southern farmers. *South. Seedsman* 14. 1951, nr. 2, p. 16, 53.
- Krug, H. P.**, Algunos aspectos da applicao de ervicidas modernos. (Some aspects of the application of modern herbicides.) *São Paulo Serv. Florestal Ed., Propag.* 7. 1951, 10 p.
- Krug, H. P.**, Algunos aspectos en la aplicación de los herbicidas modernos. *Agron. trop.* 7. 1951, nr. 12, p. 13—19.
- Kull, R. R.**, Here are some answers to questions about chemical weed killers. *Washington Farmer* 76. 1951, 238, 271.
- Lavallard, M. L.**, Chemical weed control works. *Arkansas Farmer* 103. 1951, nr. 2, p. 11, 13, 20.
- Lee, O. C.**, Latest results with chemical weed control. *Amer. Seed Trade Assoc. Hybrid Corn Ind.-Res. Conf. Proc.* 6. 1951, 82—86.
- Lovvorn, R. L., and Bliss, M. E.**, Chemicals for controlling brush. *U.S. Dept. Agric. Off. Inform., Washington*, 1951, 3 p.
- Maletic, J. T.**, Short cuts to weed killing calculations. 4. How to calibrate your spray rig. *Reclam. Era* 37. 1951, 206—207.
- Mann, G.**, Weed your garden the chemical way. *Sci. Digest* 29. 1951, nr. 5, p. 67—71.
- Meadly, G. R. W.**, Large scale chemical weed control in crops. *J. west. Austr. Dept. Agric.* 28 (ser. 2). 1951, 56—62.
- Miège, E.**, À propos du désherbage sélectif. *Inform. maroc.* 527. 1951, p. 1, 3.
- Minarik, C. E.**, Pre-emergence herbicides and their behaviour. *Northeast. Weed Control Conf. Proc.* 5 (sup.). 1951, 29—39.
- Moore, J.**, Use weed killers carefully. *Sunday Oregonian, Farm, Home, Garden*, 15. 7. 1951, 6.

- Muzik, T. J., Luvisi, G., and Cruzado, H. J., A method for statistical evaluation of new herbicides. *Actualidades* 1951, 44—48.
- Nelson, R. T., Some results on chemical weed control. *Through Leaves* 39. 1951, nr. 5, p. 41—44.
- Norrie, J. C., Progress in chemical weed control in Australia. *Nat. Weeds Conf. New Zealand Proc.* 4. 1951, 55—58.
- Orchard, H. E., Low volume spraying for weed control. *Power Farming Austr.*, New Zealand 60. 1951, nr. 2, p. 17, 19, 23, 25, 27, 29, 31, 73, 75, 77, 79.
- Ostling, J., Chemical weed control. *Pacific Grange Farmer* 1951, 5—6.
- Osvold, H., (Chemical preparations in weed control.) *Nord. Jordbr.forskn.* 2/3. 1951, 384—392.
- Page, G. E., Weed spraying equipment. *Oregon agric. Exp. Stat. Bull.* 493. 1951, 24 p.
- Parr, T., Some essential characteristics of insecticide emulsions. *Trees* 11. 1951, nr. 2, p. 6.
- Pavlychenko, T. K., Development of new herbicides. *West. canad. Weed Control Conf. Proc.* 4. 1951, 114—117.
- Petersen, H. I., (Experiences with the effect of chemical herbicides in 1950.) *Dansk Landbr.* 70. 1951, 17—18, 34—36, 46—48.
- Playfair, L., Effect of chemicals on woody growth. *West. canad. Weed Control Conf. Proc.* 5. 1951, 125—135.
- Poletaef, N., Progrès récents dans la lutte chimique contre les mauvaises herbes. *Tunisie Agric.* 52. 1951, 31—40.
- Pridham, S. M. S., Chemical weed control in the nursery. *Amer. Nurseryman* 94. 1951, nr. 4, p. 12, 65—66.
- Ripper, W. E., Chemical weed control in agriculture. 1. *Conf. int. Lutte contre Parasites Plantes* 3.—6. 10. 1950 Rome. 1951, 229—237.
- Rodriguez Jurado, A., Herbicidas selectivos; información sobre utilización en el país de los herbicidas selectivos. *Argentina Dir. Gen. Fomento Agr. B. Prod., Fomento Agr.* 3. 1951, nr. 26, p. 17—28.
- Roux, E. R., Selective herbicides. *South afr. ind. Chem.* 5. 1951, 158—160.
- Rudolf, P. O., Chemical control of brush and tree growth for the Lake States. *Lake States Forest Exp. Stat.*, St. Paul, Minn. *Misc. Rept.* 1951, 30 p.
- Sexsmith, J. J., Chemical control of persistent perennial weeds. *West. canad. Weed Control Conf. Proc.* 4. 1951, 64—74.
- Sexsmith, J. J., Effect of chemicals on persistent perennials. *West. canad. Weed Control Conf. Proc.* 5. 1951, 93—106.
- Shaw, W. C., The use of chemicals for weed control in field crops. *Ohio State Univ. Abs. Doct. Diss.* 61. 1951, 419—427.
- Shaw, W. C., and Brodell, A. P., Killing weeds with chemicals. *Agric. Situation*, Washington, 35. 1951, nr. 10, p. 11—12.
- Slawson, H. H., Dealers can spread the gospel of efficient use of herbicides; research developing chemical sprays and applicators that meet farm requirements. *Farm Equipm. Retailing* 11. 1951, nr. 2, p. 40 A, 85—86, 88.
- Smith, W. W., The use of chemicals in weed control. *J. New Hampshire hort. Soc.* 14. 1951, 120—124.
- Sperry, O. E., The use of herbicides in the control of poisonous range plants in Texas. *Texas J. Sci.* 3. 1951, 227—232.
- Srivastava, T. N., Studies of the differential toxicity of herbicides to tree species. *Indian Forester* 77. 1951, 109—117.
- Stoeckeler, J. H., Chemical sprays reduce right-of-way maintenance costs. *U.S. Forest Serv., Lake States Forest Exp. Stat. Techn. Note* 359. 1951, 1 p.
- Stovell, F. R., Chemical control of weeds. *Farming Gloucestershire* 10. 1951, 67, 69, 71.
- Sturiale, F., Diserbanti alla prova. (Herbicides to the test.) *Giorn. Agric.* 61. 1951, 220.
- Sylwester, E. P., and Wolf, D., Chemicals and clean farming mean double trouble for weeds. *Successful Farming* 49. 1951, nr. 4, p. 91—94.
- Templeman, W. G., Chemical weed control. *Chem. Prod.* 14 (n. ser.). 1951, 322—325. — *Chem. Age* 64. 1951, 688—689 (Extr.).
- Templeman, W. G., Control químico de las malas hierbas. *Rev. Agr.*, San José, 23. 1951, 386—389.
- Templeman, W. G., Résumé de l'exposé sur la lutte chimique contre les mauvaises herbes. *Phytoma*, Paris, 4. 1951, nr. 29—30, p. 13—14, 2 fig.
- Templeman, W. G., a. o., Chemical weed control. *Fernhurst int. Conf. Proc.* 1951, 27—40.
- Tindall, C., What chemical brush killers can do. *Montana Cur.* 92. 1951, nr. 7, p. 8—9, 35.
- Tomaselli, R., Applicazione del metodo fitosociologico alla valutazione dell'efficacia dei diserbanti. (Application of the phytosociological method to evaluate the efficacy of herbicides.) *Humus* 7. 1951, nr. 1, p. 23—29.
- Vallance, L. G., Pre-emergence and post-emergence control of weeds by chemical sprays. *Queensl. Soc. Sugar-Cane Technol. Proc.* 18. 1951, 21—25.
- Van Geluwe, J., Killing brush in winter — with chemicals. *G. L. F. Week. Serv. Sched.* 15. 1951, nr. 35, p. 3.
- Van Geluwe, J., Killing weeds the easy way. [chemical weed control] *Amer. Agric.* 148. 1951, 216.
- Wangerin, R. R., Winning the war on weeds — with chemicals. *Amer. Soc. Farm Manager, Rural Appraisers J.* 15. 1951, 132—137.

- Warden, R. L.**, Montana ranks first in chemical control of weeds. *Montana Farmer-Stockman* 38. 1951, nr. 15, p. 8, 35.
- Warren, G. F.**, New herbicides — and new uses for old ones. *Agric. Inst. Rev.* 6. 1951, nr. 6, p. 27—29.
- Watkins, I. v.**, Pamphlets on herbicides and weed control. *New Plymouth (New Zealand)* 1950—51, 6 Sheets.
- White, J. C.**, Texas herbicide law requires careful use of farm chemicals. *Farmer-Stockman (Texas Ed.)* 54. 1951, nr. 11, p. 26—27.
- Willard, C. J.**, Chemical weed killers. *Success. Farming* 49. 1951, nr. 5, p. 48, 122—124.
- Williams, W. O.**, Comparison of the effects of spray weed control, of summer covercrop and of clean tillage on the grape vine, its fruit, and on the soil. *Proc. amer. Soc. hortic. Sci.* 58. 1951, 136—140.
- Wood, H. E.**, »Selling« chemical weed control. *West. canad. Weed Control Conf. Proc.* 4. 1951, 120—123.
- Woodward, C. H.**, Latest news on chemical weed control. *Flower Grower* 38. 1951, nr. 6, p. 30—31, 46—49.
- Woodward, C. H.**, Taming the landscape with herbicides. *Horticulture* 29. 1951, 415—422.
- Zanini, E.**, and **Ballatore, G. P.**, (Results of the use of selective herbicides in Sicilian grain culture.) *Giard. Colon. Palermo Bol. Studi. Inform.* 19. 1951, 59—98.
- Zijdevind, C.**, Wat kost het zwarthouden van slootwallen met chemische middelen? *Landbode* 5. 1951, nr. 16.
- Zimmerman, P. W.**, and **Hitchcock, A. E.**, Herbicides. *Ind., engin. Chem.* 43. 1951, 573—574.
- Zitowitsch, I. K.**, and **Snitko, J. S.**, (Data of comparative testing of new native herbicides.) *Agrobiologija* (russ.) 6. 1951, 129—132.
- Zitowitsch, I. K.**, and **Snitko, J. S.**, (Über die Veränderung der Unkrautmengen in Aussaaten nach Behandlung mit Herbiziden.) (*Ber. Akad. Wiss. USSR.*) n. ser. 77. 1951, 449—452.
- Bericht over onkruidbestrijdingsmiddelen.** *Plantenziektenkdg. Dienst, Wageningen*, nr. 945. 1951.
- Calibrating a weed sprayer.** *Washington State Coll. Ext. Mimeogr.* 974. 1951, 2 p.
- Chemical weed control chart.** *Montana State Coll. Ext. Weeds* 21. 1951, 5 p.
- Forskellige kemikaliers virkning på ukrudtsplanter.** *Tidsskr. Planteavl, København*, 54. 1951, 164—167 (*Stat. Forsøgsvirks. Planteavl Meddel.* 446).
- Neuer Unkrautvertilger in den USA.** *Chem. Technik* 3. 1951, 89.
- Specialpræparater til bekæmpelse af ukrudt anerkendte af Statens Forsøgsvirksomhed i Planteavl.** *Gyldig for året 1951.* *Tidsskr. Planteavl, København*, 54. 1951, 549—552.
- Use of herbicides.** *Agric. Chem.* 6. 1951, nr. 1, p. 42—45.
- Pflanzenschutzmittel-Prüfung im allgemeinen**
Testing of pesticides in general
Contrôle des produits antiparasitaires en général
- Andrén, F.**, Rektlinjer av prövning av fungicider. (Guiding principles in the testing of fungicides.) *Nordisk Jordbr.forskn.* 1951, 496—499.
- Baranyovits, F.**, Fly reactions to insecticidal deposits: a new test technique. *Nature, London*, 168. 1951, 960.
- Bellamy, L. J.**, The infra-red analysis of insecticides, with special reference to DDT and the phosphate types. *Int. Congr. Crop Prot. Proc.* 2 (1949). 1951, 16—19.
- Benloch, M.**, El servicio de comprobación y registro de productos fitoterapéuticos. Normas fundamentales y orientaciones prácticas sobre su realización. (The service for testing and registering plant therapeutics. Basic standards and practical methods for its fulfilment.) *Bol. Pat. veg. Ent. agric., Madrid*, 18 (1950). 1951, 123—128.
- Bönicke, R.**, Über die mikrobiologischen Methoden zur Wertbestimmung von antibiotischen und chemotherapeutischen Substanzen. *Zentralbl. Bakt., I. Abt.*, 157. 1951, 158—161, 4 Abb.
- Casida, J. E.**, and **Allen, T. C.**, A laboratory method for evaluating the phytotoxicity or phytostimulation of insecticides. *Science* 113. 1951, 553—555.
- Chisholm, R. D.**, and **Koblitsky, L.**, A method for calculating and expressing the concentration of insecticidal chemicals in solutions. *U.S. Dept. Agric. Bur. Ent., Plant Quar. ET-296.* 1951, 2 p.
- Conrad, F.**, and **Cremer, E.**, Über die Bestimmung der Haftkraft von Verstäubungsmitteln. *Pflanzenschutzberichte, Wien*, 7. 1951, 190—195, 3 Abb.
- Demuth, G.**, and **Lendle, L.**, Prüfung insektizider Stoffe auf Dehydrase-Systeme. *Arch. Pharm.* 56. 1951, 298—305.
- Dodd, A. H.**, Assessment of official and standard tests. [insecticides, fungicides and herbicides] *Int. Congr. Crop Prot. Proc.* 2 (1949). 1951, 109—112.
- Eichler, Wd.**, Die Bedeutung des Drosophila-Tests für die Kontaktinsektizidforschung. *Pharmazie* 6. 1951, 474—477, 2 Abb.
- Eichler, Wd.**, Kontaktinsektizid-Nachweise durch den Drosophila-Test. *Schädlingsbekämpfung* 43. 1951, 59—60.
- Ellis, B. A.**, and **Thompson, P. B.**, An examination of some methods for the determination of DDT and BHC. *Int. Congr. Crop Prot. Proc.* 2 (1949). 1951, 125—127.

- Fischer, W., Die Untersuchung von Pflanzenschutzmitteln. (Handbuch der landwirtschaftlichen Versuchs- und Untersuchungsmethodik (Methodenbuch) Bd. VII.) Neumann Verlag, Radebeul u. Berlin 1951. 2. Aufl., VIII+116 S.
- Fjeldalen, J., (Methods for testing insecticides.) Nord. Jordbr.forskn. 2/3. 1951, 510—512.
- Frömming, E., Allgemeine Betrachtungen über die Prüfung molluscizider Mittel. Anz. Schäd.lkunde 24. 1951, 26—28.
- Gaines, J. C., and Miller, H. F., Spray machine for testing insecticides on small field.plats. Texas agric. Exp. Stat. Progr. Rept. 1405. 1951, 2 p.
- Hamilton, J. M., and Mack, G. L., Quick tests of new fungicides. Farm Res. (New York State Stat.) 17. 1951, nr. 3, p. 11.
- Hammarlund, L., (Methods for testing insecticides.) Nord. Jordbr.forskn. 2/3. 1951, 508—509.
- Hierholzer, O., Eine Methode zur Prüfung der Sedimentationen des Wirkstoffes von Suspensionen im Tiertest. Schädlingbekämpfung 43. 1951, 120—123, 5 Abb.
- Holz, W., Methoden zur Prüfung von Pflanzenschutz- und Vorratsschutzmitteln. XLVI. Eine neue Apparatur zur Prüfung flüchtiger Insektizide (DDT, Hexa, Phosphorester u.a.). Nachr.bl. dtsh. Pfl.schutzd., Braunschwg., 3. 1951, 129—132, 4 Abb.
- Kämpfe, L., Ein Daphnientest zur Prüfung der Tiefenwirkung flüssiger Kontaktinsektizide. Anz. Schäd.lkunde 24. 1951, 179—180, 4 Abb.
- Keiser, I., and Henderson, Ch. F., A method for determining insecticide residues per unit of leaf surface. J. econ. Ent. 44. 1951, 1026—1027.
- Ketchum, H. M., and Schweiger, L. B., Some aspects of fungicidal testing of quaternary ammonium compounds. Proc. indian Acad. Sci. 60 (1950). 1951, 46.
- Lanchester, H. P., A modified probit method for comparison of insecticides for wireworm control. [Limoniuss spp.] J. econ. Ent. 44. 1951, 779—784, 2 fig.
- McCallan, S. E. A., Testing techniques. [fungicides] Contrib. Boyce Thompson Inst. 16. 1951, 299—302.
- McKinlay, K. S., Kirby, A. H. M., and Allen, M., Experiments on increasing the penetration of ovicides and insecticides. East Malling Res. Stat. Ann. Rept. 1950 (38). 1951, 177—186.
- Mapother, H. R., A review of available methods for the estimation of synthetic insecticides. Int. Congr. Crop Prot. Proc. 2 (1949). 1951, 263—272.
- Marimpetri, L., Metodi di controllo chimico dei moderni insetticidi. 1. Conf. int. Lutte contre Parasites Plantes 3.—6. 10. 1950 Rom. 1951, 276—279.
- Mayer, K., Die Ergebnisse der Prüfung von Pflanzenschutzmitteln im Jahre 1950. Dtsch. Landw. 2. 1951, 159—162.
- Mosebach, E., Ratschläge zur Gerätetechnik bei der biologischen Untersuchung von Kontakt-Insektiziden an Stubenfliegen. Nachr.bl. dtsh. Pfl.schutzd., Braunschwg., 3. 1951, 86—88, 2 Abb.
- Mosebach, E., Ein Verfahren der Stubenfliegenzucht für Serienuntersuchungen. Nachr.bl. dtsh. Pfl.schutzd., Braunschwg., 3. 1951, 100—101, 2 Abb.
- Nakagawa, Y., Insecticides and fungicides an analysis of their uses. Hawaii. Farm, Home 14. 1951, nr. 4, p. 44—47.
- Orrell, W. R., A simplified method for examining the dispersing properties of insecticidal and fungicidal dispersible powders and its application to the determination of particle size distribution. Int. Congr. Crop Prot. Proc. 2 (1949). 1951, 315—324.
- Pfannenstiel, W., Zur Frage der Gehaltsdeklaration insektizider Erzeugnisse. Ztschr. hyg. Zool. 39. 1951, 265—268.
- Potter, C., Biological methods for the assessment and study of insecticidal activity in the laboratory; their scope and validity. Int. Congr. Crop Prot. Proc. 2 (1949). 1951, 343—354.
- Romano, E., and Giulimondi, G., (Rapid control of titration in dusts containing parathion.) Ann. Stat. Chim. Agr. Sperim. Roma (ser. III) Publ. 53. 1951, 4 p.
- Schmidt, H., Laborschnelltest zur Fungizidprüfung. Nachr.bl. dtsh. Pfl.schutzd., Berlin, NF. 5. 1951, 208—212, 2 Abb.
- Steiner, P., und Stüben, M., Methoden zur Prüfung von Pflanzenschutz- und Vorratsschutzmitteln. XLV. Eine zweckmäßige Methode zur Schabenzucht. Nachr.bl. dtsh. Pfl.schutzd., Braunschwg., 3. 1951, 122—123, 2 Abb.
- Suzuki, T., and Iwasaki, R., (Studies on the physical properties of agricultural chemicals. III. Emulsification of emulsion. I.) Botyu-Kagakū, Kyoto, 16. 1951, 75—82.
- Tilemans, E., et Henriët, J., Étude des possibilités de standardisation des méthodes d'analyse chimique des produits antiparasitaires. 1. Conf. int. Lutte contre Parasites Plantes 3.—6. 10. 1950 Rom. 1951, 109—115.
- Tirelli, M., (Rapid method for the evaluation of the ovidical efficiency of insecticides.) Riv. Fitosanit. 2. 1951, nr. 5, p. 14—16.
- Tunblad, B., (Methods of testing insecticides.) Nord. Jordbr.forskn. 2/3. 1951, 502—507.
- Way, M. J., Smith, P. M., and Hopkins, B., The selection and rearing of leaf-eating insects for use as test subjects in the study of insecticides. Bull. ent. Res. 42. 1951, 331—354, 1 fig., 1 tab.

Wenzl, H., Beitrag zur Methodik der Prüfung von Baumpfleagemitteln. Pflanzenschutzberichte, Wien, 7. 1951, 145—158, 2 Abb.

Zeumer, H., und Fischer, W., Normen für Pflanzenschutzmittel. (3. Fortsetzung.) Nachr.bl. dtsh. Pfl.schutzd., Braunschwg., 3. 1951, 136—140, 1 Abb.

Bedingungen für die amtliche Prüfung von Pflanzenschutz- und Vorratsschutzmitteln. Biol. Bundesanst. Braunschwg. Flugbl. A 4. 1951, 20 S.

Kennzeichnung von Pflanzenschutz- und Schädlingsbekämpfungsmitteln. Nachr.bl. dtsh. Pfl.schutzd., Braunschwg., 3. 1951, 47—48.

Specifications and methods of analysis for certain insecticides, fungicides, and herbicides. Minist. Agric., Fish., London, Techn. Bull. nr. 1. 2nd ed. 1951, VI + 69 p., 1 fig.

Kupferverbindungen

Copper derivatives — Dérivés du cuivre

Biedermann, W., und Müller, E., Die Inaktivierung des gelösten Kupfers (II) in Fungiziden. Phytopath. Ztschr. 18. 1951, 307—338, 8 Abb.

Callbeck, L. C., Further studies on copper sulphate-lime ratios in Bordeaux mixture. Amer. Potato J. 27. 1950, 327—331.

De Jong, P., Copper fungicides in the control of blister blight of tea in South India. Plant Prot. Overseas Rev. 2. 1951, nr. 4, p. 17—22.

De Mello, A. T., (Details on the preparation of Bordeaux mixture.) Seleg. Agr. (portug.) 6. 1951, nr. 62, p. 59—61.

Haworth, F., Distribution of copper containing dusts. Tea Quart. (J. Tea Res. Inst.), Ceylon, 22. 1951, 118—120, 3 fig.

Hyams, E., Bordeaux mixture and the sulphur shortage. Gard. Chron. 130. 1951, 14.

Lavezzini, A., (Save copper.) [in spraying] Avvenire Agr. 59. 1951, 145—146.

Narayan, G., and Rao, B. S., The ageing of bordeaux mixture. Proc. indian Acad. Sci. (Sect. A) 34. 1951, 391—395.

Rui, D., Parola d'ordine: economizzare il rame. Inform. Agr. 7. 1951, nr. 13, p. 4; nr. 14, p. 4.

Rui, D., (Yesterday we said —.) [copper fungicides] Agric. Polesine (ital.) 3. 1951, 81—82.

Schwaebel, F. X., und Obermayer, G., Nachweis von kupferhaltigem Spritzbelag auf Pflanzen. Nachr.bl. dtsh. Pfl.schutzd., Braunschwg., 3. 1951, 167—168, 2 Abb.

Tanaka, S., (Studies on factors influencing the fungicidal value of bordeaux mixture.) (Forsch. Pfl.krankh.). Kyoto, 4. 1951, 145—159.

Trappmann, W., Kupferspritzmittel im Pflanzenschutz — Rückblick und Ausblick. Ztschr. Pfl.krankh. 55. 1948, 260—287.

Yoder, D. M., Reversibility of copper toxicity to conidia of *Sclerotinia fructicola*. Phytopathology 41. 1951, 39.

Quecksilberverbindungen

Mercury derivatives — Dérivés du mercure

Gaßner, G., Über Gaswirkungen quecksilberhaltiger Beizmittel. Nachr.bl. dtsh. Pfl.schutzd., Braunschwg., 3. 1951, 113—117, 5 Abb.

Hopf, P. P., Lhoste, J., and Ravault, L., A new mercurial with apparent systemic properties as a seed dressing. J. Sci. Food, Agric., London, 2. 1951, 295—302, 3 fig.

Hurt, R. H., Organic mercury as fungicides. Virginia J. Sci. 2 (n. ser.). 1951, 299—300.

Queisser, H., Die organische Quecksilberbeize. Gartenwelt 51. 1951, 333, 1 Abb.

Schery, R. W., Evaluation of a selective crabgrass killer. [Scutl, phenyl mercuric acetate] Missouri bot. Garden Bull. 39. 1951, 74—82.

Arsenverbindungen

Arsenic derivatives

Dérivés de l'arsenic

Bevilacqua, L., (When to apply lead.arsenate? [insecticide] Campagnolo 6. 1951, 26—27.

Hirschhorn, E., Grado de estabilidad patógena de líneas monoesporidiales de *Ustilago zeae* adaptadas a desarrollar en medios que contienen arsenico. (Degree of pathogenic stability of monosporidial lines of *Ustilago zeae* adapted to growth in media containing arsenic.) Cienca Invest. 7. 1951, 425—426.

Kingsley, G. R., and Schaffert, R. R., Micro-determination of arsenic and its application to biological material. Anal. Chem. 23. 1951, 914—919.

Trappmann, W., Arsenmittel im Pflanzenschutz — Rückblick und Ausblick. Ztschr. Pfl.krankh. 55. 1948, 35—53.

Schwefelverbindungen

Sulfur derivatives — Dérivés du soufre

Cox, C. E., Sisler, H. D., and Spurr, R. A., Identity of gaseous toxicants from organic sulfur fungicides. Science, Lancaster, 114. 1951, 643—645.

Di Lauro, B., Prodigii dello zolfo nella difesa delle piante coltivate. Giorn. Ital. agric. 36. 1951, nr. 18, p. 3.

Gopakrishnan, K. S., and Jump, J. A., The activity of thiolutin against certain fungi and seed-borne diseases. Proc. indian Acad. Sci. 61 (1951). 1952, 97—102, 3 fig.

- Horsfall, J. G., and Rich, S., Oxidized substituents decrease fungitoxicity of reduced compounds. *Phytopathology* 41. 1951, 18.
- Klöppling, H. L., Chemical constitution and antifungal action of sulphur compounds. Diss. Utrecht 1951. XI + 142 p., 24 fig., 2 tab.
- Kordes, H., Die mit kolloidalen Schwefelpräparaten im Weinbau erzielten Ergebnisse und deren Rückschlüsse auf die pilzbabtötende Wirkung der »echten Mehltau-pilze« im Gemüse- und Gartenbau. *Saatgut-Wirtschaft* 3. 1951, 131—132.
- Peters, R., How to use »fermate« fungicide. *African Violet Mag.* 4. 1951, Nr. 3, p. 19, 46.
- Rossi, C., (On the fineness of sulfur fungicides.) *Chim. e Ind. (ital.)* 33. 1951, 794—798.
- Sisler, H. D., and Cox, C. E., Release of carbon disulfide from tetramethylthiuram disulfide by fungi. *Phytopathology* 41. 1951, 565.
- Smith jr., R. B., Finnegan, J. K., Sahyeum, P. F., Haag, H. B., and Larson, P. S., Toxicologic studies on the zinc and disodium ethylene-bis-dithiocarbamates (Dithanes Z-78 and D-14). *Agric. Chem.* 6. 1951, 109—111.
- Tisdale, W. H., y Flenner, A. L., Los derivados del ditiocarbamato como fungicidas. *Bol. Agr. (Du Pont de Nemours & Co.)* 7. 1951, nr. 2, p. 11—15.
- Tisdale, W. H., and Flenner, A. L., Derivatives of dithiocarbamic acid as fungicides. *Contrib. Boyce Thompson Inst.* 16. 1951, 303—311.
- Vasil'evskii, A. P., Testing colloidal sulfur as a fungicide. *Glav. Bot. Sad., Moscow, Bull.* 9. 1951, 115—117.
- Vlitos, A. J., and Hooker, W. J., The influence of sulphur on populations of *Streptomyces scabies* and other streptomycetes in peat soil. *Amer. J. Bot.* 38. 1951, 678—683.
- Onkruidbestrijding bij uien door middel van verdund zwavelzuur. *Zaadbelangen* 5. 1951, 93.
- Phosphorverbindungen
Phosphorus derivatives
Dérivés du phosphore
- Andersson, I., och Össiannilsson, F., Försök med Pestox 3 som betningsmedel. *Växtskyddsnotiser*, Stockholm, 15. 1951, 84—88, 1 fig.
- Baldacci, E., et Speroni, C., Recherches sur l'activité du paranitrophenyl-diethylthiophosphate (parathion) comme fongicide. *Int. Congr. Crop Prot. Proc.* 2 (1949). 1951, 12—13.
- Ball, H. J., and Beck, S. D., The role of the circulatory and nervous systems in the toxic action of parathion. *J. econ. Ent.* 44. 1951, 558—564.
- Bartlett, B., and Ewart, W. H., Effect of parathion on parasites of *Coccus hesperidum*. [Metaphycus luteolus] *J. econ. Ent.* 44. 1951, 344—347.
- Bottger, G. T., and Yerington, A. P., Comparative toxicity of tetraethyl dithiopyrophosphate, tetraisopropyl pyrophosphate, and parathion. *J. econ. Ent.* 44. 1951, 261—262.
- Carman, G. E., and Metcalf, R. L., Safe handling of organic phosphorus compounds. *Calif. Citrogr.* 37. 1951, 6, 31—33.
- Chamberlain, W. F., and Hoskins, W. M., The inhibition of cholinesterase in the American roach by organic insecticides and related phosphorus-containing compounds. *J. econ. Ent.* 44. 1951, 177—191, 1 fig.
- David, W. A. L., Experiments with organo-phosphorus insecticides. *Proc. 2nd int. Congr. Crop Prot.* 1949. 1951, 94—101.
- Drury, H. G., E 605 as an orchard spray. *J. Dept. Agric. South Austr.* 54. 1951, 607.
- Dubois, P., Toxicology of organic phosphorous insecticides. 9. int. Congr. Ent., Amsterdam, 1951, 43—44.
- Dürr, H. J. R., The effect of parathion on the pernicious scale (*Aspidiotus perniciosus* Comst.). *J. ent. Soc. south. Afr.* 14. 1951, 200—201.
- Duspiva, F., Über die Wirkung einiger organischer Phosphorsäureverbindungen mit insektiziden Eigenschaften auf die Cholinesterase. *Mitt. Biol. Zentralanst., Berlin-Dahlem*, H. 70. 1951, 91—93.
- Edwards, F. I., Chemical and physical properties of organic phosphorus insecticides. *U. S. Dept. Agric. Bur. Ent., Plant Quar.* E 832. 1951, 4 p.
- Edwards jr., F. I., Report on parathion. *J. Assoc. Off. agric. Chem.* 34. 1951, 686—689.
- Fahey, J. E., The rate of weathering of phosphate insecticides. (Abstr.) *Amer. Assoc. econ. Ent., North Centr. States Branch, Proc.* 6. 1951, 103—106.
- Gage, J. C., The analysis of p-nitrophenyl diethyl thiophosphate (E 605, parathion). *Int. Congr. Crop Prot. Proc.* 2 (1949). 1951, 149—150.
- Galachow, P. N., (Bekämpfung der schädlichen Schildwanze mit Hilfe von Thiophos.) *Sowj. Landw. kunde* 9. 1951, 49—55.
- Garcia, A., Le E 605. *Soc. Agr. Algérie Bull.* 95. 1950/51, 275—283.
- Giang, P. A., and Hall, S. A., Enzymatic determination of organic phosphorus insecticides. *Anal. Chem.* 23. 1951, 1830—1834, 5 fig.
- Gleissner, B. D., Timely information on parathion. *Hortic. News (New Jersey State hortic. Soc.)* 32. 1951, 2372—2374.
- Hall, S. A., Stohman III, J. W., and Schechter, M. S., Colorimetric determination of octamethyl pyrophosphoramidate. *Anal. Chem.* 23. 1951, 1866—1868, 1 fig.

- Hartley, G. S., Heath, D. F., Hulme, J. M., Pound, D. W., and Whittaker, M., Studies on commercial octamethyl pyrophosphoramides. I. Composition and analysis. *J. Sci. Food, Agric.*, London, nr. 7. 1951, 303—309.
- Heath, D. F., and Casapieri, P., Hydrolysis of dimethylamides of phosphoric acids. *Trans. Faraday Soc.* 47. 1951, 1093—1101, 4 fig.
- Hey, G. L., and Mitchell, A. H., Some experiences with parathion on a field scale in 1949. *Int. Congr. Crop Prot. Proc.* 2 (1949). 1951, 203—206.
- Ingham, G. A., Parathion-preparation, properties and use. *Chem. Canada* 3. 1951, 90—93.
- Jacks, H., and Webb, A. J., A note on the use of H. E. T. P. [Hexone] Wellington 1951?, 2 S.
- Jannone, G., Risultati di ricerche sperimentali sull'efficacia residua di alcuni derivati della combinazione di un estere tiofosforico con prodotti clorurati di sintesi. 1. Conf. int. Lutte contre Parasites Plantes 3.—6. 10. 1950 Rom. 1951, 400—403.
- Ketelaar, J. A. A., Chemical structure and insecticidal activity of organic phosphorous compounds. 9. int. Congr. Ent., Amsterdam, 1951, 45—46.
- Ketelaar, J. A. A., Parathion and E 605. *Int. Congr. Crop Prot. Proc.* 2 (1949). 1951, 238—244.
- Ketelaar, J. A. A., and Hellingman, J. E., Chemical studies on insecticides; determination of parathion and dimethylparathion. *Analyt. Chem.* 23. 1951, 646—650.
- Kirby, A. H. M., and Frick, E. L., The fungistatic activity of certain organophosphorus insecticides. *East Malling Res. Stat. Ann. Rept.* 38 (1950). 1951, 172—176.
- Leghis, L. M., Les esters phosphoriques. [insectes] *Paysan franç.* 26. 1951, nr. 401, p. 20.
- Leiby, R. W., The facts about parathion; toxic to man — deadly to insects. *Better Farming Methods* 23. 1951, nr. 5, p. 38, 40.
- Leiby, R. W., Parathion and related insecticides. *Amer. Agr.* 148. 1951, 246—247.
- Lhote, J., (Chemische Bekämpfung im Boden lebender Insekten.) [Parathion] *Engrais* (n. ser.) nr. 37. 1950, 17; nr. 40. 1951, 18—20.
- Lhote, J., et Leibovici, C., Sur le pouvoir aphicide de l'octaméthyl pyrophosphoramide. *Parasitica* 7. 1951, 37—44, 2 fig.
- Lockau, S., Lüdicke, M., und Weygand, F., Darstellung von radioaktivem Diäthyl-p-nitrophenyl-monothio-phosphat und Beispiele seiner biologischen Anwendung. *Naturwissenschaften* 38. 1951, 350.
- Ludvik, G. F., and Decker, G. C., The insecticidal properties of some esters of phosphorus acids. *J. econ. Ent.* 44. 1951, 405—418.
- Martin, H., The chemical properties of certain organo-phosphorus compounds in relation to their use as insecticides. *Int. Congr. Crop Prot. Proc.* 2 (1949). 1951, 277—278.
- Martin, H., The organo-phosphorous insecticides. 9. int. Congr. Ent., Amsterdam, 1951, 46—48.
- Mathias, A. F., Lessons learned from using parathion in the field. *Citrus Mag.* 14. 1951, nr. 3, p. 23—24.
- Nolan, K., and Wilcoxon, W. F., Method of bio-assay for traces of parathion in plant material. *Agric. Chem.* 5. 1951, 53.
- Pulver, R., und Domenjoz, R., Zur Spezifität sogenannter Esterasegifte. *Experientia*, Basel, 7. 1951, 306.
- Romano, E., e Giulimondi, G., Rapido controllo del titolo nelle polveri bagnabili contenenti parathion. (A rapid test of the strength of wettable dusts containing parathion.) *Ann. Sperim. agr.*, Roma, n. ser. 5. 1951, 1527—1531.
- Schindler, H., »Systox«, ein neues Mittel zur Schädlingsbekämpfung, das höchste Beachtung verdient. *Illust. Flora* 74. 1951, 139—140.
- Schmidt, H., Vorläufige Mitteilung über die fungizide Wirksamkeit E-Mittel-haltiger Mischbrühen. *Nachr. bl. dtsh. Pfl.schutzd.*, Berlin, NF. 5. 1951, 224—226.
- Schrader, G., Zur Kenntnis neuer Insektizide auf Grundlage organischer Phosphorverbindungen. *Ztschr. angew. Ent.* 33. 1951, 328—340.
- Sellke, K., Insektenbekämpfungsversuche mit E-Brühen und ihren Gemischen mit pilztötenden Zusätzen. *Nachr. bl. dtsh. Pfl.schutzd.*, Berlin, NF. 5. 1951, 221—224.
- Smith, F. F., and Fulton, R. A., Another organic insecticide (octamethyl pyrophosphoramide). [application as an aerosol] *South. Florist, Nurseryman* 64. 1951, nr. 17, p. 84—87.
- Smith, F. F., and Fulton, R. A., Tests with octamethyl pyrophosphoramid. *Agric. Chem.* 6. 1951, nr. 6, p. 75, 97.
- Solaroli, V., and Bongiovanni, G. C., (Phosphoric esters for control of certain Hemiptera.) *Italia agric.* 88. 1951, 208—214.
- Stapp, C., Über die Wirkung von E 605-Präparaten auf Bodenbakterien. *Nach. bl. dtsh. Pfl.schutzd.*, Braunschwg., 3. 1951, 27—29.
- Thullberg, H. A., a. o., Panel on parathion. *Florida State hortic. Soc. Proc.* 63 (1950). 1951, 68—89.
- Tielecke, H., Die Estermittel und ihre Bedeutung für den Pflanzenschutz. *Urania* 1951, H. 4.
- Van der Laan, P. A., (Risks of applying organic phosphorus compounds as insecticides in Indonesian agriculture.) *Bergcultures, Buitenzorg*, 20. 1951, 57—61.

Vekemans, J., Quelques applications du parathion aux cultures européennes au Katanga. 9. int. Congr. Ent., Amsterdam, 13. 1951, 14—15.

Volpi, M., Intorno all'azione citologica e tossica di alcuni insetticidi a base di esteri fosforici. (Cytological and toxic action of some insecticides with a phosphoric ester base.) Ann. Sperim. agr., Roma, n. ser. 5. 1951, 1511—1526, 2 tab.

Wallace, Ph. P., Octamethylpyrophosphoramide. J. econ. Ent. 44. 1951, 224—228, 2 fig.

Woodcock, D., and **Stringer, A.**, The insecticidal activity of parathion, its isomers and some related compounds. Ann. appl. Biol. 38. 1951, 111—120, 1 fig.

Zeid, M. M. I., and **Cutkomp, L. K.**, The effects associated with toxicity and plant translocation of three phosphate insecticides. Agric. Chem. 6. 1951, nr. 9, p. 48—49.

Bis isopropylamino-fluoro-phosphine oxide. Gard. Chronicle 129. 1951, 57.

Digest of literature on parathion. Amer. Cyanamid Co., agric. Chem. Div., New York 1951. 159 p.

Metacide, a new organic phosphate insecticide. Down to Earth 6. 1951, nr. 4, p. 11.

Parathion insecticides; grower's handbook. Amer. Cyanamid Co., New York, agric. Chem. Div., 1951. Rev. Ed., 28 p.

Zyanverbindungen Cyanides — Cyanures

Baskin, A. D., Fungitoxicity of cyanamides in relation to pH of liquid media and organic content of soils. Phytopathology 41. 1951, 2.

Dinelli, D., e **Cinelli, E.**, Sull'azione insetticida della calciocianamide. (Über die insektizide Wirkung des Calciumcyanamids.) Chim. e Ind. 33. 1951, 125—128.

Emmert, E. M., and **Klinker, J. E.**, The comparative use of aero cyanamid and allyl alcohol for controlling weeds in snap beans and sweet corn. Proc. amer. Soc. hort. Sci. 58. 1951, 191.

Opsahl, B., (Experiments with calcium cyanamide as a simultaneous weed killer and nitrogenous fertilizer for potatoes.) Forsk., Forsok Landbr. (norweg.) 2. 1951, 263—275.

Pradhan, S., and **Bhatia, S. C.**, Specific susceptibility of HCN and the amount of HCN recovered from fumigated insects. Bull. ent. Res. 42. 1951, 399—418.

Rooney, H. A., Report on organic thiocyanates. [determination in insecticides] J. Assoc. Off. agric. Chem. 34. 1951, 677—680.

Samuel, B. L., Chromatographic separation and determination of some organic thiocyanates in insecticide products. J. Assoc. Off. agric. Chem. 34. 1951, 764—765.

Speroni, G., **Losco, G.**, and **Peri, C. A.**, (Esters of thiocyanacetic acid and their insecticidal properties.) Chim. e Ind. 33. 1951, 209—211.

Thompson, H. V., and **Armour, C. J.**, Control of the European rabbit (*Oryctolagus c. cuniculus* L.). An experiment to compare the efficiency of gin trapping, ferreting and cyanide gassing. Ann. appl. Biol. 38. 1951, 464—474, 3 fig.

Halogenverbindungen Halogen derivatives Dérivés des halogènes

(2, 4-D, 2, 4, 5-T, U 46 = p. 337—341).

Arceneaux, C. J., Microscopic analysis of benzene hexachloride. Analyt. Chem. 23. 1951, 906—911.

Armstrong, G., **Bradbury, R.**, and **Standen, H.**, Penetration of the insect cuticle by isomers of benzene hexachloride. Nature, London, 167. 1951, 319.

Åslander, A., The chlorate method against perennial weeds. Svensk bot. Tidskr. 45. 1951, 460—482.

Baldoni, R., Prove di lotta agli elateridi con l'esaclorocicloesano. Ind. Sacc. Ital. 44. 1951, 281—287.

Barrons, K. C., and **Hummer, R. W.**, Basic herbicidal studies with derivatives of TCA. Agric. Chem. 6. 1951, nr. 6, p. 48—50, 113—121.

Bender, G. L., The mode of action of certain chlorinated hydrocarbons on insects. Michigan Univ. Microfilm 11. 1951, 88—89 (Abstr.).

Bodenstein, G., Einiges über Hexachlorcyclohexan. Schädlingsbekämpfung 43. 1951, 41—42.

Böhm, O., Über die Wirkung von p, p'-Dichlordiphenyl-trichloräthan (DDT) auf Insekten unter besonderer Berücksichtigung der Abhängigkeit der Kontaktgiftwirkung vom Bau des Insektenintegumentes. (Beitrag zur Kenntnis der Wirkungsweise eines modernen synthetischen Kontaktinsektizides.) Pflanzenschutzberichte, Wien, 7. 1951, 33—80, 10 Abb.

Bogusch, P., (Change in toxicity of benzene hexachloride in connection with temperature.) Vsesoiuzn. Akad. Sel'skhoz. Nauk Dokl. 16. 1951, nr. 10, p. 39—42.

Bottini, E., e **Fantini, G.**, Il gamma-esaclorocicloesano e la sua valutazione nei prodotti di clorurazione del benzene. Ist. Sperim. Chim. agr. Torino 17. 1949 bis 1951, 79—95.

Bouchet, R. L., et **Dumont, L.**, Les emplois de l'hexachlorocyclohexane en France et dans l'Union française. Int. Congr. Crop Prot. Proc. 2 (1949). 1951, 60—64.

Bovington, H. H. S., Persistence of benzene hexachloride as an insecticide on lime-washed surfaces. Nature, London, 167. 1951, 734.

- Bowen, C. V.**, Report on benzene hexachloride. J. Assoc. Off. agric. Chem. 34. 1951, 689.
- Boyd, A. J.**, Death to the insect. [DDT] Veteran 3. 1951, 173—176.
- Campbell, J. C.**, and **Pepper, B. B.**, Some observations on effects of wettable DDT and emulsifiable DDT on potato quality and blight control. Amer. Potato J. 28. 1951, 638—640.
- Chang, P. I.**, The action of DDT on the Golgi bodies in insects nervous tissue. Ann. ent. Soc. Amer. 44. 1951, 311—326.
- Chow, C. Y.**, **Yue, T. F.**, and **Chen, T. N.**, Camphor oils as solvents for DDT and gammexane. Indian J. Malariol. 5. 1951, 187—194.
- Compton, C. C.**, and **McCauley, W. E.**, Use of aldrin and dieldrin in soil widens scope of pest control. 9. int. Congr. Ent., Amsterdam, 1951, XIII, 3—4.
- [Conley, B. F.]**, Pharmacologic and toxicologic aspects of DDT (chlorphenothane U.S.P.). J. amer. med. Assoc. 145. 1951, 728—733.
- Corkins, J. P.**, Gamma isomer of benzene hexachloride — insecticide of the month. Bugs 4. 1951, 47.
- Cuthbertson, E. G.**, Studies of galvanized burr (*Bassia bircii*). 1. Effectiveness of chlorinated phenoxyacetic acid derivatives as controlling agents. J. austr. Inst. agric. Sci. 17. 1951, 199—202.
- De Oliveira e Sousa Melo, J.**, (Comparative study of some methods of chemical analysis of the insecticides based in DDT.) Agron. Angolana 5. 1951, 129—194.
- Dicke, R. J.**, and **Paul, J. J.**, Space spray combinations of chlorinated insecticides. [DDT] J. econ. Ent. 44. 1951, 896—898, 1 fig.
- Dinelli, D.**, and **Carbotti, S.**, (On some products from a synthesis of chloral and furan derivatives and their insecticidal power.) Ann. Chim. 41. 1951, 391—396.
- Easterbrook, B.**, (In England hergestelltes Toxaphen.) J. Manufact. Chem. pharm. fine chem. Trade 22. 1951, 28—29.
- Ehlers, M.**, Insektenbekämpfung auf kombinierter Grundlage. [DDT, HCC] Gesunde Pflanzen 3. 1951, 265—268, 3 Abb.
- Ehlers, M.**, Zur Frage der Wirkungssteigerung durch Kombination von DDT und HCC (Gamma-Hexachloreyclohexan). Schädlingsbekämpfung 43. 1951, 97—100, 2 Abb.
- Emery, G. A.**, and **Chambers, V. H.**, Developments in the formulation and application of DDT. Int. Congr. Crop Prot. Proc. 2 (1949). 1951, 138—141.
- Fahney**, Gereinigte und ungereinigte Hexa-Mittel zur Engerlingsbekämpfung bei Forstkulturen. Allg. Forstztzshr. 6. 1951, 129—130.
- Fiedler, O. G. H.**, Zwei vielversprechende neue Insektizide. [Aldrin (Compound 118) und Dieldrin (Compound 497)] Anz. Schädl.kunde 24. 1951, 57—58.
- Fleming, W. E.**, **Coles, L. W.**, and **Maines, W. W.**, Biological assay of residues of DDT and chlordane in soil using *Macrocentrus ancyliivorus* as a test insect. J. econ. Ent. 44. 1951, 310—315.
- Fleming, W. E.**, **Maines, W. W.**, and **Coles, L. W.**, Persistence of chlorinated hydrocarbon insecticides in turf treated to control the Japanese beetle (*Popillia japonica*). U. S. Dept. Agric. Bur. Ent., Plant Quar. E—829. 1951, 6 p.
- Focaccia, S.**, (Chlordane, benzene hexachloride, methoxychlor and other modern insecticides.) Chimica (ital.) 6. 1951, 223—225.
- Gabotto, L.**, (Die Birnenwanze.) [DDT] Cultiv. Giorn. vinic. ital., Casale Monf., 97. 1951, 99—100.
- Gatineau, M.**, Essai sur rat blanc du monofluoroacétate de sodium comme poison d'ingestion. Ann. Épiphyties (Ann. Inst. nat. Rech. agron. sér. C), Paris, 2. 1951, 398—400.
- Gilman, H.**, and **Miller, L. S.**, The preparation of some chlorinated aryl silanes for the examination of their insecticidal properties. J. amer. chem. Soc. 73. 1951, 968—970.
- Gorodetskaia, I. I.**, (Testing the effective force of DDT and benzene hexachloride dusts in various concentrations on agricultural pests.) Umanskii Sel'skokhoz. Inst. Sborn. Stuchencheskikh Nauch.-Issled. Rabot 1, 1951, 53—55.
- Grigsby, B. H.**, The use of chlordane for the control of crabgrass (a preliminary report). Michigan agric. Exp. Stat. Quart. Bull. 34. 1951, 158—161.
- Guennelon-Aubanel, G.**, Action de l'hexachlorocyclohexane (HCH) sur le rhynchite coupebourgeon (*Rhynchites coeruleus* De Geer). Compt. rend. Acad. Agric. France 37. 1951, 314—316.
- Guillaume, A.**, Les appâts empoisonnés au gluco-chloral. Phytoma, Paris, 4. 1951, nr. 29—30, p. 17—19.
- Hadert, H.**, DDT-haltige und andere fungizide Anstrichmittel. Farbe u. Lack 57. 1951, 536—540.
- Harris, T. H.**, Report on chlordane and toxaphene. [determination in insecticides] J. Assoc. Off. agric. Chem. 34. 1951, 672—674.
- Harrison, R. A.**, Tests with some insecticides on DDT-resistant houseflies. New Zealand J. Sci., Techn. (B) 32. 1951, nr. 6, p. 5—11, 2 fig.
- Hass, H. B.**, **Neher, M. B.**, and **Blickenstaff, R. T.**, Nitro alkane derivatives related to DDT. Ind., engin. Chem. 43. 1951, 2875—2878.
- Hasselbach, H.**, und **Schwabe, K.**, Quantitative polarographische Bestimmung von γ -Hexachlorocyclohexan. Ztschr. analyt. Chemie 132. 1951, 94—104, 11 Abb.

- Hayes jr, W. J., Ferguson, F. F., and Cass, J. S., The toxicology of dieldrin and its bearing on field use of the compound. *J. trop. Med., Hyg.* 31. 1951, 519—522.
- Heidenreich, E., Biologische Untersuchungen zur Wirkungsweise von Hexachlorcyclohexan. *Mitt. Biol. Zentralanst., Berlin-Dahlem*, H. 70. 1951, 87—89.
- Heidenreich, E., Das Gamma-Hexachlorcyclohexan im Forst. *Ztschr. angew. Ent.* 33. 1951, 321—328.
- Henry, B. W., Ethylene dibromide controls a root rot at the W. W. Ashe Nursery. *Tree Planters' Notes* 7. 1951, 2—4.
- Hensill, G. S., Lindane, a review of the background and development of this modern and versatile insecticide. *Soap, sanit. Chem.* 27. 1951, nr. 9, p. 135, 137, 159.
- Holmes, E., Recent British developments in taint-free use of BHC. [benzene hexachloride] *Agric. Chem.* 6. 1951, nr. 12, p. 31—33, 113, 115.
- Holmes, E., Recent developments in the taint-free use of BHC. *Agric. Chem.* 6. 1951, nr. 9, p. 47.
- Hüter, L., Moderne Entwesungsmethoden und ihre Bedeutung für die Lebensmittelhygiene, unter besonderer Berücksichtigung von Methylbromid. *Anz. Schädli.kunde* 24. 1951, 1—4, 19—21, 7 Abb.
- Hyman, J., & Co., 1950 entomological report: Aldrin (compound 118). *Denver* 1951. 72 p.
- Hyman, J., & Co., 1950 entomological report: Dieldrin (compound 497). *Denver* 1951. 68 p.
- Ishiguro, T., Hamada, M., and Miyagawa, I., (On the dipole moments of DDT and its related compounds. I.) *Botyu-Kagaku* 16. 1951, 220—226.
- Itzerott, H., Warum Aktiv-Gesarol? *Obstbau* 70. 1951, 80.
- Itzerott, H., Die Wirkungsweise von Aktiv-Gesarol. *Anz. Schädli.kunde* 24. 1951, 55—57, 2 Abb.
- Jansson, S. L., Jacobson, G., och Jägerstahl, G., Fält- och lysimeterundersökningar angående natriumklorat som ogräsbekämpningsmedel. (Field and lysimeter experiments with the use of sodium chlorate as a weed-killer.) *Stat. Jordbr.försök, Stockholm, Meddel.* nr. 35. 1951, 109 p., fig.
- Jewett, H. H., and Price, W. A., Protecting stored corn from grain insects by bags impregnated with DDT. *Kentucky agric. exp. Stat. Bull.* 571. 1951, 8 p.
- Kamito, A., and Ito, F., (On the diminution of γ -isomer contained in BHC-dust on the market.) *Oyo-Kontyu* 7. 1951, 92 (Abstr.).
- Kamito, A., and Yamamoto, T., (The penetration of γ -BHC to insect integument.) *Oyo-Kontyu* 7. 1951, 56 (Abstr.).
- Kanarew, W. D., (Hexachloran — ein brauchbares Mittel zur Bekämpfung von Bodenschädlingen.) *Tabak* 12. 1951, Nr. 2, S. 18.
- Keel, M. H., Aldrin and dieldrin are insect killers. *Better Farming Methods* 23. 1951, nr. 6, p. 44, 46—47.
- Keller, H., Über die Wirkung einer Bodenbegiftung mittels DDT- und Hexa-Mitteln auf die Kleinarthropoden, insbesondere Collembolen. *Naturwissenschaften* 38. 1951, 480—481, 3 Abb.
- Kelsheimer, E. G., Stock your insecticides now, shortages of benzene and chlorine will affect production. *Florida Grower* 59. 1951, nr. 8, p. 16.
- Kips, R. H., and Wain, R. L., Studies on the insecticidal action and dehydrohalogenation of certain chlorinated organic compounds. *Int. Congr. Crop Prot. Proc.* 2 (1949). 1951, 245—250.
- Kirchberg, E., Aldrin und Dieldrin, zwei neue synthetische Insektizide. *Ztschr. hyg. Zool.* 39. 1951, 127—128.
- Klosa, J., (TCA gewinnt an Wichtigkeit bei der Bekämpfung von Unkrautgras.) [TCA = trichloressigsaures Na] *Comm. Fertil.* 82. 1951, 44.
- Koyama, K., (On herbicide »ammate« and »PCP«.) *Jap. J. Plant Prot.* 21. 1951, 44—45.
- Kreutzer, W. A., McBeth, C. W., Turner, M., Bergeson, G. B., and Whetstone, R. R., The fungicidal and nematocidal properties of dibromobutene. *Science* 113. 1951, 657—658.
- Krister, C. J., Methoxychlor. *Agric. Chem.* 6. 1951, nr. 7, p. 39—41, 93.
- Langenbuch, R., Quantitative Untersuchungen über die Fraßgiftwirkung des Hexachlorcyclohexans und des DDT. *Nachr.bl. dtsh. Pflschutzd., Braunschwg.*, 3. 1951, 177—185, 5 Abb.
- Langenbuch, R., Über das Eindringvermögen des Hexachlorcyclohexans in das Kartoffelblatt. *Nachr.bl. dtsh. Pflschutzd., Braunschwg.*, 3. 1951, 118—122, 1 Abb.
- Launois, H., Le pentachlorophénol, agent de conservation du bois. *Bois nat., Straßburg*, 22. 1951, 492.
- Lear, B., Use of methyl bromide and other volatile chemicals for soil fumigation. *Cornell Univ. agric. Exp. Stat. Mem.* 303. 1951, 48 p., 6 fig.
- León Ortega, M., Chlordane el nuevo insecticida. *Tierra, México*, 6. 1951, 105.
- León Ortega, M., Chlordane tecnico para insecticidas. *Tierra, México*, 6. 1951, 44—46. — *Bol. Asoc. Gen. Agric.* 292. 1951, 7.
- Lepage, H. S., and Giannotti, O., (Researches relative to BHC (hexachlorcyclohexane); the pure gamma isomer of BHC and its use as an insecticide.) *Biológico, São Paulo*, 17. 1951, 41—44.

- McBeth, C. W.**, Observations on repeated applications of D-D (Dichloropropene-Dichloropropane). *Plant Dis. Repr.* 35. 1951, 243—245, 3 fig.
- McCauley, W. E.**, The place of aldrin and dieldrin in agriculture. *Amer. Assoc. econ. Ent., North Centr. States Branch, Proc.* 6. 1951, 106—107.
- McD. Grayson, J.**, Response of the German cockroach to sublethal concentrations of DDT and benzene hexachloride. *J. econ. Ent.* 44. 1951, 315—317, 1 fig.
- McLeod, W. S.**, Summary of aldrin and dieldrin investigations, 1950. *Canada Dept. Agric., Sci. Serv., Div. Ent., Res. Notes ser. nr. E—5.* 1951, 29 p.
- Mallo, R. G.**, El hexaclorociclohexano empleado contra diversos parásitos animales de la agricultura. *Res* 19. 1951, 26 454—26 456.
- Marcovitch, S.**, Sodium fluosilicate as an activator for certain organic insecticides and herbicides. *J. econ. Ent.* 44. 1951, 108—109.
- Marcovitch, S.**, Tests with sodium fluosilicate as an herbicide and as an activator for herbicides. *Agron. J.* 43. 1951, 100.
- Marke, D. J. B., and Lilly, C. H.**, Smoke generators for the dispersion of pesticides. [benzene hexachloride and DDT] *J. Sci. Food, Agric.* 2. 1951, 56—65.
- Matras, G., e Corda, M.**, Ricerche sull'azione tossica del DDT nella rana e osservazioni sull'attività da esso svolta sull'eccitabilità del preparato neuromuscolare corrispondente. *Boll. Soc. ital. Biol. sperim.* 27. 1951, 49—51.
- Marrison, L. W.**, The examination of the gamma isomer of benzene hexachloride by infra-red spectroscopy. *Int. Congr. Crop Prot. Proc.* 2 (1949). 1951, 273—278.
- Martyn, E. J.**, The effect of DDT on the pasture cockchafer (*Aphodius pseudotaszmaniae* Given) in Tasmania. *Tasmanian J. Agric.* 22. 1951, 356—360.
- Martysjuk, S. P.**, (Use of benzene hexachloride during afforestation of areas infested with cockchafers (*Melolontha*) in the near-steppe forests of Ukraine.) *Lesn. Khoz.* 4. 1951, nr. 10, p. 67—75.
- Mascetti V., G.**, El empleo del gamexano. *Scientia* 18. 1951, 35—37.
- Mayer e Bodenstein**, Lindano (significación biológica del isómero gama del hexaclorociclohexano de 99—100 % de pureza). *Campo, Tacuba*, 19. 1951, nr. 714, p. 64, 66—68, 70.
- Moynihan, P., and O'Colla, P.**, The application of paper chromatography to the analysis of chlorinated organic insecticides. *Chem. and Ind.* 21. 1951, 407.
- Müller, P.**, DDT and the newer insecticides. *Int. Congr. Crop Prot. Proc.* 2 (1949). 1951, 284—296.
- Muñoz, J. E.**, Rol del cloro en los insecticidas de contacto. *Bol. Inform. Cient. Nac.* 3. 1951, 710—716. — *Consortio Cent. Agr., Manabi, Bol.* 12. 1951, nr. 67, p. 30—33.
- Mura, D., Medda, A., and Quesada, A.**, Research and observations on the toxicity of DDT-naphtha. *Soc. Ital. Sci. Vet. Atti* 5. 1951, 271—273.
- Nakazima, M., Inagaki, K., and Tati, T.**, (Reaction of benzene hexachloride with metal powder. (The utilization of the inactive-isomers of benzene hexachloride, II.) *Botyu-Kagaku, Kyoto*, 16. 1951, 107—111.
- Nakazima, M., and Nagaoka, T.**, (Determination of heptachlorocyclohexane in technical benzene hexachloride.) *Botyu-Kagaku, Kyoto*, 16. 1951, 183—186.
- Nangniot, P.**, Le dosage de l'isomère gamma de l'hexachlorocyclohexane par polarographie. *Bull. Inst. agron. Stat. Rech. Gembloux* 19. 1951, 267—275, 5 fig.
- Nilsson, E.**, The action of chlorate on some microbial phenomena in the soil. *Ann. kgl. landw. Hochsch. Schwed., Uppsala*, 18. 1951.
- Nishio, E., and Hasegawa, K.**, (Effects of DDT and BHC powders.) *Jap. J. Plant Prot.* 20. 1951, 47—53.
- Nishiyama, K., and Nagaei, K.**, (Experimental report on the new fumigates »methylbromide«.) *Jap. J. Plant Prot.* 23. 1951, 29—34.
- Orengo, F.**, (Dichlorodiphenyltrichloroethane.) *Chimica (ital.)* 6. 1951, 3—8.
- Pal, R.**, Synergistic action of DDT and BHC combined sprays. *Nature, London*, 167. 1951, 368.
- Piquett, P. G., and Bowen, C. V.**, Effect of abrasive diluents on the toxicity of lindane to the American cockroach. *J. econ. Ent.* 44. 1951, 118—119.
- Polivka, J. B.**, DDT controls Jap beetle (*Popillia japonica*). *Ohio Farm Res.* 36. 1951, 41.
- Poos, F. W., Dobbins, T. N., Batten, E. T., and Boush, G. M.**, Tests with benzene hexachloride for the control of insects attacking peanuts, 1946—1949. [Frankliniella fusca, Diabrotica undecimpunctata howardi] *U. S. Dept. Agric. Bur. Ent., Plant Quar.* E—820. 1951, 16 p.
- Prat, J.**, Examen comparé des méthodes de dosage de l'hexachlorocyclohexane et, en particulier, de son isomère-γ. *Int. Congr. Crop Prot. Proc.* 2 (1949). 1951, 355—361.
- Pritchard, A. E.**, Toxaphene for mite control. *Calif. Agric. (Calif. Stat.)* 5. 1951, nr. 5, p. 9, 15.
- Read, W. H., and Wain, R. L.**, The ovicidal activity of some phenyltrichloromethylcarbinols and their esters towards eggs of the glasshouse red spider mite (*Tetranychus telarius* L.). *J. Sci. Food, Agric., London*, 2. 1951, 204—207.
- Reichmuth, W.**, Warum versagt DDT bei manchen Fliegen? *Umschau* 51. 1951, 140—141, 5 Abb.
- Richardson, Ch. H., and Du Chanois, F. R.**, Organosilicon compounds with DDT-like structure as contact insecticides. *J. econ. Ent.* 44. 1951, 997—998.

- Riemschneider, R.**, Über die β, β, β -Trichlor-a-(dichlorphenyl)-äthanol. Monatsh. Chemie, Wien, 82. 1951, 600—606.
- Riemschneider, R., Schuster, N., und Böttcher, E.**, Konstitution und Wirkung von Insektiziden. Mitteilung V. Hexachlorcyclohexane und Pentachlorcyclohexene. Anz. Schädli.kunde 24. 1951, 145—146.
- Rivnay, E.**, Further toxicological studies on species of Capnodis in Israel. [DDT and BHC] Bull. ent. Res. 42. 1951, 565—573.
- Roark, R. C.**, A digest of information on chlordane. U. S. Dept. Agric. Bur. Ent., Plant Quar. (Agric. Res. Admin.) E—187. 1951, 1—152.
- Robbins, C. S., Springer, P. F., and Webster, C. G.**, Effects of five-year DDT application on breeding bird population. J. Wildlife Managem. 15. 1951, 213—216.
- Rodale, R.**, The case against DDT. Oregon Garden 19. 1951, 42—44.
- Roeder, K. D., and Weiant, E. A.**, The effect of concentration, temperature, and washing on the time of appearance of DDT-induced trains in sensory fibers of the cockroach. [Periplaneta americana] Ann. ent. Soc. Amer. 44. 1951, 372—380, 3 fig.
- Rogoff, W. M., and Metcalf, R. L.**, Some insecticidal properties of heptachlor. J. econ. Ent. 44. 1951, 910—918.
- Romano, E.**, Il contenuto in DDT, octacloro ed esaclorocicloesano di olii provenienti da oliveti sottoposti a trattamento antidiacico. (The content in DDT, chlordan and hexachlorocyclohexane of oils coming from olive trees which have undergone treatment against the olive fly.) Ann. Sperim. agr., Roma, n. ser. 5. 1951, 289—295.
- Romano, E.**, Evaporazione, alla luce, degli insetticidi clorurati organici. Nota II. (Evaporation of the chlorinated organic insecticides exposed to light. II.) Ann. Sperim. agr., Roma, n. ser. 5. 1951, 1537—1539. — Ann. Staz. Chim. Agr. Sperim. Roma (ser. 3) Publ. 56. 1951, 2 p.
- Romano, E.**, L'evaporazione, alla luce, del DDT e dell'octacloro. Ann. Sperim. agr., Roma, n. ser. 5. 1951, 785—789, 2 fig.
- Roy, R. Y.**, A comparison of the mode of action of certain new chloronitrobenzene preparations with that of standard fungicides. J. indian bot. Soc. 30. 1951, 148—180.
- Ruzaev, K. S.**, (In regard to using benzene hexachloride and DDT in vineyards.) Vinodel. Vinograd. SSSR. 11. 1951, nr. 9, p. 44—45.
- Scholz, E.**, Über das DFDD. Chemiker-Ztg. 75. 1951, Nr. 17.
- Schwerdtfeger, F.**, Untersuchungen zur Engerlingsbekämpfung mit Hexamitteln auf der unbestockten Kulturfläche. Allg. Forstztzshr. 6. 1951, 135—139, 1 Abb.
- Scurti, F.**, L'industria del gammesano in Italia. Ist. Sperim. Chim. agr. Torino 17. 1949—1951, 225—247, 10 fig.
- Sellke, K.**, Die Einwirkung des Hexachlorcyclohexans auf die Pflanzen und auf den Geschmack von Erntegut. Nachr.bl. dtsh. Pfl.schutzd., Berlin, NF. 5. 1951, 41—46.
- Shapiro, I. D.**, (On toxic action of benzene hexachloride from the plant on insects.) Dokl. Akad. Nauk SSSR. 80. 1951, 481—484.
- Shimizu, T.**, (Fog-fumigation of chloropicrine. I.) Jap. J. Plant Prot. 24. 1951, 38—44.
- Shirk, H. G., Poelma, P. L., and Corey, R. R.**, The influence of chemical structure on fungal activity. I. Effect of p-chlorophenol and derivatives. II. Effect of p-chlorination of phenols. [Aspergillus niger] Arch. Biochem., N. York, 32. 1951, 386—396, 2 fig.
- Shotwell, R. L.**, Controlling grasshoppers in alfalfa with chlordane and toxaphene sprays. U.S. Dept. Agric. Bur. Ent., Plant Quar. E-819. 1951, 19 p.
- Simkover, H. G., and Shenefelt, R. D.**, Effect of benzene hexachloride and chlordane on certain soil organisms. [against white grubs and Rhizoctonia] J. econ. Ent. 44. 1951, 426—427.
- Simon, A., und Jentzsch, D.**, Untersuchungen über die quantitative ramanspektroskopische Bestimmung des γ -Isomeren in technischen Hexachlorcyclohexanen. Ztschr. anorg., allg. Chemie 266. 1951, 193—207.
- Skerrett, E. J., Stringer, A., and Woodcock, D.**, The insecticidal action of DDT. Biochem. Journ. 49. 1951, nr. 2, p. 28.
- Skuts'kii, K.**, (Our experiment in cricket control (on vegetables with DDT and benzene hexachloride).) Kolkhoz. Proizvodstvo 11. 1951, nr. 2, p. 60.
- Smith, M. S.**, Persistence of DDT and benzene hexachloride in soils. Int. Congr. Crop Prot. Proc. 2 (1949) 1951, 404—409.
- Stapley, J. H.**, Wireworm control with BHC with special reference to seed dressings. Int. Congr. Crop Prot. Proc. 2 (1949). 1951, 410—412.
- Stummeyer, H.**, Das neuzeitliche Unkrautmittel. Rat-schl. Bauernhof 4. 1951, 36 S.
- Sullivan, W. N.**, A method of dispersing lindane vapor in air. J. econ. Ent. 44. 1951, 125—126.
- Sun, Y. P.**, Insect toxicology of aldrin and dieldrin. Amer. Assoc. econ. Ent., North Centr. States Branch, Proc. 6. 1951, 57—58.
- Taylor, R. F.**, Use of dolfume MC-2 as insect and weed killing agent in a forest tree nursery in Maine. Tree Planters' Notes nr. 4. 1951, 12—13.
- Tehon, L. R.**, Fungistatic potencies of some fluorinated p-benzoquinones. Science, Lancaster, 114. 1951, 663—664, 1 fig.

Thiem, E., Eigenschaften und Wirkungsweise des Hexachlorcyclohexans. Nachr.bl. dtsh. Pfl.schutzd., Berlin, NF. 5. 1951, 24—30, 1 Abb.

Toops jr., E. E., and **Riddick, J. A.**, Determination of gamma isomer content of 1,2,3,4,5,6-hexachlorocyclohexane. Analyt. Chem. 23. 1951, 1106—1110.

Van den Brande, J., **Van den Hende, A.**, et **Jacobs, T.**, L'influence du solvant sur l'efficacité des solutions de DDT. Int. Congr. Crop Prot. Proc. 2 (1949). 1951, 453—461.

Vaughn, J. R., Cycloheximide, an antibiotic effective against turf diseases. Phytopathology 41. 1951, 36.

Verona, O., Intorno all'azione dell'esaclorocicloesano sulla microflora del terreno. Ann. Tecn. agr. 17. 1951, 42—48.

Vilbrandt, F. C., and **Brown, W. V.**, Development studies on the production of sodium trichloroacetic acid herbicide. Virginia J. Sci. 2 (n. ser.). 1951, 341 (Abstr.).

Wagner, E., Hexa-Schädlingsbekämpfungsmittel im Vormarsch. Seifen — Öle — Fette — Wachse 77. 1951, 295—296.

Wasserburger, H.-J., Was jeder Landwirt vom »Gesarol« wissen muß! Dtsch. Landw. 2. 1951, 412—413.

Weber, E., Beitrag zum Nachweis und zur Bestimmung von DDT (Bis-chlorphenyl-trichlormethylmethan) in Schädlingsbekämpfungsmitteln. Ztschr. analyt. Chemie 132. 1951, 26—33.

Weber, E., Beitrag zum Nachweis von Gammexan neben DDT in Schädlingsbekämpfungsmitteln. Ztschr. analyt. Chemie 134. 1951, 32—36, 1 Abb.

Weigel, Ch. A., a.o., Effect on truck crops of DDT applied to the foliage. U.S. Dept. Agric. Techn. Bull. nr. 1034. 1951, 20 p., tab.

Wharton, R. H., DDT and BHC as residual insecticides in Malaya. Nature, London, 167. 1951, 854.

Wiesmann, R., Der Wirkungsmechanismus des Dichlor-diphenyltrichloräthans bei den Insekten. Verhandl. dtsh. Ges. angew. Ent. 11. Mitgl.versammlg. München 2.—4. 10. 1949 (P. Parey, Berlin). 1951, 128—129.

Woodcock, D., The insecticidal action of some halogenated organic compounds. Int. Congr. Crop Prot. Proc. 2 (1949). 1951, 493—499.

Yamasaki, T., and **Ishii, T.**, (The actions of BHC and rotenone on the heart of insect larva, Allomyrina dichotoma L.) Oyo-Kontyu 7. 1951, 58 (Abstr.).

Young, H. C., and **Carroll, J. C.**, The decomposition of pentachlorophenol when applied as a residual pre-emergence herbicide. Agron. J. 43. 1951, 504—507.

Carriers and diluents for chlordane dust formulations. Velsicol Cprp. Techn. Bull. 215. 1951, 6 p.

Dieldrin — insecticide of the month. Bugs 4. 1951, 59.

Ethylene dibromide fumigation approved as a condition for certification of certain fruits and vegetables under Hawaiian Fruit and Vegetable Quarantine No. 13. U.S. Dept. Agric. Bur. Ent., Plant Quar. 592. 1951, 2 p.

Ethylene dibromide fumigation approved as a condition for certification of mangoes under Puerto Rican Fruit and Vegetable Quarantine No. 58. U.S. Bur. Ent., Plant Quar. B.E.P.Q. 594. 1951, 2 p.

Hexamittel! Ja oder Nein? Saarl. Bauernbl. 5. 1951, 69—70.

Insect resistance to DDT. Chem. Agric. 64. 1951, 265—267.

New DDT formulation. Agric. Chem. 6. 1951, nr. 1, p. 67.

Nieuwe insecticiden. [»aldrin« en »dieldrin«] Econ. Voorl. 45. 1951, nr. 16, p. 26.

Toxaphene agricultural insecticides. Hercules Powder Comp., Wilmington, 1951, 24 p.

Toxaphene has become a leading pesticide since developed four years ago. Farm Chem. 114. 1951, nr. 10, p. 21—22.

2% dieldrin label for red harvester ant control. Agric. Bull. (Shell) ADB. 131. 1951, 1 p.

Pflanzenstoffe

Vegetal matter — Substances végétales

Abdullaeva, A. A., (Antibiotic properties of Gleditsia (G. triacanthos inermis) fruits.) Priroda, Moskva, 40. 1951, nr. 9, p. 52—53.

Ark, P. A., and **Oswald, J. W.**, Antibiotic potentialities of some strains of Streptomyces scabies. Phytopathology 41. 1951, 1034.

Basset, H., Les plantes à rotenone. Rev. int. Prod. Colon. 26. 1951, 213.

Bainhart, E. G., Production and use of nicotine. Yearb. Agric. (U.S. Dept. Agric.) 1950—1951, 773—779.

Beroza, M., Alkaloids from Tripterygium wilfordii Hook.—Wilforine and Wilfordine. J. amer. chem. Soc. 73. 1951, 3656—3659, 6 fig.

Blackith, R. E., Some current problems of pyrethrum assay. Pyrethrum Post 2. 1951, nr. 3, p. 15—16.

Blanchard, F. A., Aureomycin chemotherapy of crown gall in tomatoes. Phytopathology 41. 1951, 954—958, 1 fig.

Blanchard, F. A., and **Diller, V. M.**, Uptake of aureomycin through the roots of Phaseolus lunatus. Amer. J. Bot. 38. 1951, 111—112.

- Boller, A.**, Über Lycomarasmin, ein welkeaktives Stoffwechselprodukt aus *Fusarium lycopersici* Sacc. Diss. Eidg. Techn. Hochschule Zürich Nr. 2047. 1951, 122 S.
- Botter, G. T.**, Comparative toxicity of allethrin and natural pyrethrins. *J. econ. Ent.* 44. 1951, 808.
- Bovay, H. E.**, and **Robertson, R. B.**, New wood treating plant. *South. Lumberman* 183. 1951, nr. 2291, p. 41–42, 2 fig.
- Brandenburg, E.**, Über die Bildung von Toxinen in der Gattung *Pythium* und ihre Wirkung auf die Pflanzen. *Nachr. bl. dtsch. Pfl. schutzd.*, Braunschweig, 3. 1951, 69–70.
- Brian, P. W.**, Antibiotics produced by fungi. *Bot. Rev.* 17. 1951, 357–430.
- Brian, P. W.**, **Curtis, P. J.**, **Hemming, H. G.**, **Jefferys, E. G.**, **Unwin, C. H.**, and **Wright, J. M.**, Alternaric acid; a biologically active metabolic product of *Alternaria solani* (Ell. et Mart.) Jones et Grout; its production, isolation and antifungal properties. *J. gen. Microbiol.* 5. 1951, 619–632.
- Brian, P. W.**, **Wright, J. M.**, **Stubbs, J.**, and **Way, A. M.**, Uptake of antibiotic metabolites of soil microorganisms by plants. *Nature, London*, 167. 1951, 347–349.
- Brian, P. W.**, **Wright, J. M.**, **Stubbs, J.**, and **Way, A. M.**, Uptake of antibiotics of soil microorganisms by plants. *Nature, London*, 167. 1951, 347–349.
- Brownlee, G.**, Antibiotics. With particular reference to mode of action. *Ann. Rev. Microbiol.* 5. 1951, 197–208.
- Burton, H. S.**, and **Abraham, E. P.**, Isolation of antibiotics from a species of *Cephalosporium*; *Cephalosporins* P₁, P₂, P₃, P₄, and P₅. *Biochem. J.* 50. 1951, 168–174.
- Busbey, R. L.**, Plants that help kill insects. *Yearb. Agric. (U.S. Dept. Agric.)* 1950–1951, 765–772.
- Bustanza, F.**, Addendum to my note on the antibacterial activity of *Cladonia rangiferina* Web., *Cladonia sylvatica* (L.) Hoffm. emend. Sandst. and *Cladonia impexa* Harm. *Rev. Biologique, Lichénologique* 20 (n. ser.). 1951, 300.
- Buston, H. W.**, and **King, E. J.**, Further observations on the sporulation of *Chaetomium globosum*. *J. gen. Microbiol.* 5. 1951, 766–771.
- Cardelle, G.**, Antibióticos y botánica. (Antibiotics and botany.) *Rev. Soc. cub. Bot.* 8. 1951, nr. 4, p. 59–71, 5 fig.
- Cercos, A. P.**, Actividad antimicrobiana de la vinalina. Alcaloides del vinal (*Prosopis ruscifolia* Griseb.). *Rev. argent. Agron.* 18. 1951, 200–209, 1 fig. (Inst. Fitotecn. Publ. nr. 131).
- Cercos, A. P.**, The antibiotic Dinr-49-1 (Fungocin) produced by *Bacillus subtilis*, with activity on animal and vegetable pathogenic fungi. *Rev. Invest. agric.*, Buenos Aires, 4. 1950, 3, 15.
- Chandler, S. E.**, Botanical aspects of pyrethrum. *Pyrethrum Post* 2. 1951, nr. 3, p. 1–9.
- Colasito, J.**, **Koffler, H.**, **Tetrault, P. A.**, and **Reitz, H. C.**, Antibiotic effects of Circulin against certain gram-negative pathogens. *Proc. Soc. exp. Biol.*, New York, 77. 1951, nr. 1, p. 107–108.
- Coomber, H. E.**, Pyrethrum analysis. *Int. Congr. Crop Prot. Proc.* 2 (1949). 1951, 79–85.
- Corkins, J. P.**, Pyrethrin II, insecticide of the month. *Bugs* 4. 1951, 44–46.
- Cupples, H. L.**, and **Hornstein, I.**, Infrared spectra of rotenone and dihydrorotenone. *J. amer. chem. Soc.* 73. 1951, 4023–4024, 1 fig.
- Curtis, P. J.**, **Hemming, H. G.**, **Unwin, C. H.**, Albidin, an antibiotic red pigment from *Penicillium albidum*. *Trans. brit. mycol. Soc.* 34. 1951, 332–339.
- Darpoux, H.**, Les antagonismes microbiens et les substances antibiotiques en pathologie végétale. *Mém. Soc. bot. France* 1951, 140–144.
- Da Silva, A.**, (Pest control with derris.) *Rev. Criadores (portug.)* 22. 1951, 21–22.
- Denise, J.**, Antibiotiques des végétaux supérieurs. *Foulon, Paris* 1951. 53 p.
- Dighe, P. Y.**, and **Joshi, N. V.**, Bactericidal properties of some select plants. *Phys. Sci. (J. Bombay Univ., Sect. A)* 20 (n. ser.). 1951, 105–108.
- Dresner, E.**, The toxic effect of *Beauveria bassiana* (Bals.) Vuill. on insects. *Ohio State Univ. Abs. Doct. Diss.* 61. 1951, 117–122.
- Edwards, M. G.**, Analysis of undried pyrethrum flowers. *Pyrethrum Post* 2. 1951, nr. 2, p. 2–4.
- Elliott, M.**, A colorimetric reaction of the pyrethrins and related esters. *Pyrethrum Post* 2. 1951, nr. 3, p. 24.
- Elliott, M.**, The insecticidal activity of the pyrethrins and related compounds. *Pyrethrum Post* 2. 1951, nr. 3, p. 16–28.
- Engler, V.**, et **Mirimanoff, A.**, Synergie et antagonisme de l'association antiseptique-mouillant au point de vue fongistatique. *Pharm. Acta Helv.* 26. 1951, 59–67.
- Ettlinger, L.**, Antibiotica als spurenwirksame Stoffe. *Mitt. Gbt. Lebensm. untersuch., Hygiene, Bern*, 42. 1951, 183–194.
- Fales, J. H.**, **Nelson, R. H.**, **Fulton, R. A.**, and **Bodenstein, O. F.**, Insecticidal effectiveness of sprays and aerosols containing allethrin. *J. econ. Ent.* 44. 1951, 23–28.

- Fassi, B.**, Prove preliminari sull'azione antibiotica di »*Oospora virescens*« (Link) Wallr. e sulle sue possibili applicazioni pratiche. (Preliminary experiments on the antibiotic action of *Oospora virescens* (Link) Wallr. and its possible practical applications.) Ann. Accad. Agric. Torino 90. 1950—51, 20 p., 7 fig.
- Freeman, G. G., and Morrison, R. I.**, The isolation and chemical properties of trichothecin, an antifungal substance from *Trichothecium roseum* Link. Biochem. J. 44. 1949, 1—4.
- Freerksen, E.**, Antibakterielle Wirkstoffe aus Pflanzen. Zentralbl. Bakt., I. Abt., 157. 1951, 157—158.
- Freerksen, E., und Bönicke, R.**, Über antibakterielle Prinzipien in höheren Pflanzen. I. Ztschr. Hyg. 132. 1951, 417—449.
- Gerretsen, F. C., and Haagsma, N.**, Occurrence of antifungal substances in *Brassica rapa*, *Brassica oleracea* and *Beta vulgaris*. Nature, London, 168. 1951, 659.
- Gottlieb, D., Bhattacharyya, P. K., Carter, H. E., and Anderson, H. W.**, Endomycin, a new antibiotic. Phytopathology 41. 1951, 393—400.
- Granett, P., Connola, D. P., and Lembach, J. V.**, Laboratory tests of allethrin for stability, residual action and toxicity. J. econ. Ent. 44. 1951, 552—557.
- Gripenberg, J.**, Antibiotic substances from the heart wood of *Thuja plicata* D. Don. VII. A partial synthesis of thujic acid. Acta Chem. Scand. 5. 1951, 995—1002.
- Großbard, E.**, Antibiotika und mikrobieller Antagonismus, und ihre Bedeutung für den Pflanzenschutz. Endeavour 10. 1951, 145—150, 11 Abb.
- Härdtl, H.**, Über die Wirkung des Senföls auf Tier und Pflanze. Nachr.bl. deutsch. Pfl.schutzd., Berlin, NF.5. 1951, 91—94.
- Harper, S. H.**, Recent synthetical developments in pyrethrum chemistry. Int. Congr. Crop Prot. Proc. 2 (1949). 1951, 167—181.
- Harper, S. H.**, Some aspects of pyrethrum analysis. Int. Congr. Crop Prot. Proc. 2 (1949). 1951, 182—187.
- Haskins, R. H., and Thorn, J. A.**, Biochemistry of the Ustilaginales. VII. Antibiotic activity of ustilagic acid. Canad. J. Bot. 29. 1951, 585—592.
- Hessayon, D. H.**, »Double action« of trichothecin and its production in soil. Nature, London, 168. 1951, 998—999.
- Hornstein, I.**, Determination of rotenone as an impurity in dihydrorotenone. Anal. Chem. 23. 1951, 1330 bis 1331.
- Hornstein, I.**, Determination of rotenone by the use of mercuric acetate. Anal. Chem. 23. 1951, 1329—1330.
- Inouye, Y., Katsuda, Y., Nishimura, A., Kitagawa, K., and Ohno, M.**, (Studies on the synthetic pyrethrins. I. Synthesis of chrysanthemum-monocarboxylic acid.) Botyu-Kagaku, Kyoto, 16. 1951, 111—114.
- Jacobson, M.**, Constituents of *Heliopsis* species. I. Scabrin, an insecticidal amide from the roots of *H. scabra* Dunal. J. amer. chem. Soc. 73. 1951, 100—103, 1 fig.
- Katznelson, H., and Sutton, M. D.**, Inhibition of plant pathogenic bacteria in vitro by antibiotics and quaternary ammonium compounds. Canad. J. Bot. 29. 1951, 270—278.
- Klöppling, H. L., and Van der Kerk, G. J. M.**, Antifungal agents from the bark of *Populus candicans*. Nature, London, 167. 1951, 996—997.
- Klomparens, W.**, Toxicity of cycloheximide to certain wood-rotting fungi, and preliminary studies on absorption of the antibiotic by tissues. Phytopathology 41. 1951, 22.
- Krasil'nikov, N. A.**, (Über den Antagonismus innerhalb der Art und zwischen den Arten bei Mikroorganismen.) Dokl. Akad. Nauk USSR. 77 (n. ser.) 1951, 117—119.
- Krasil'nikov, N. A., Mirzabekian, R. O., and Askarova, S.**, (Utilization of antibiotics in some diseases of plants.) Dokl. Akad. Nauk USSR. 79. 1951, 1025—1027.
- Leben, C., Stessel, G. J., and Keitt, G. W.**, An antibiotic that inhibits certain phytopathogens. Phytopathology 41. 1951, 23.
- Matsubara, H.**, (Studies on synergist for insecticides. III. On the colorimetric determination of egonol. V. On the concentration of egonol by the solvent extraction.) Botyu-Kagaku, Kyoto, 16. 1951, 99—102, 190—193.
- Matsubara, H., and Omote, Y.**, (Studies on synergist for insecticides. IV. On the molecular distillation of ego seed oil.) Botyu-Kagaku, Kyoto, 16. 1951, 103—104.
- Mayer, E. L., Nelson, R. H., Robertson, C. E., and Willaman, J. J.**, Nicotine insecticides. VI. Search for synergists. U.S. Dept. Agric. Bur. Ent., Plant Quar. E-833. 1951, 15 p.
- Meissner, R.**, Über das Vorkommen eines die Keimung des Wurzelparasiten *Alectra Vogeli* Benth. hervorrufofenden Stoffes in den Wirtswurzeln. [Vigna sinensis] Phytton (Horn, N.-Österr.) 3. 1951, 90—94.
- Musgrave, A. J., and Miller, J. J.**, A note on some preliminary observations on the effect of the antibiotic terramycin on insect symbiotic micro-organisms. [tests with *Sitophilus granarius*, *S. oryza*] Canad. Ent. 83. 1951, 343—345.
- Nieman, C.**, (Aus dem höheren Pflanzenreich stammende Antibiotica. Nähere Betrachtungen über den Begriff Antibioticum.) Chem. Weekbl. 47. 1951, 192—193.
- Nikkila, O. E.**, (Food preservation with antibiotics.) Suomen Maataloust. Aikakausk. (Finland) 23. 1951, 148—150.

- Oebloom, K., Nutritional effects upon the antibiotic production of *Marasmius urens* (Bull.) Fr. I. The influence of organic acids. *Physiol. Plant.* 4. 1951, 563—573.
- Page, A. B. P., Hadaway, A. B., and Blackith, R. E., Pyrethrum and some non-agricultural uses of insecticides. *Soc. chem. Ind. Rept. Progr. appl. Chem.* 36. 1951, 692—701.
- Paulus, A. O., The use of antibiotics in the control of certain bean and barley diseases. *Wyoming Univ. Publ.* 16. 1951, 197—198.
- Pavan, M., Iridomyrmecin as insecticide. *Pavia* 1951, 7p.
- Rebert, A.-F., et Havas, L.-J., Essai de traitement des phytocarcinomes par l'abiotique pénitaline. *Rev. Path. vég. Ent. agric. France* 30. 1951, 25—29, 2 fig.
- Roark, R. C., Scabrin, a new botanical insecticide. [derived from *Heliopsis scabra*] *Soap, sanit. Chem.* 27. 1951, nr. 3, p. 125, 137.
- Roark, R. C., Value of allethrin in insect control. *Chem. Spec. Manufact. Assoc. Proc.* 38. 1951, 89—91.
- Rohde, G., Antibiotika in Pflanze und Tier. *Dtsch. Landw.* 2. 1951, 363—364.
- Ruschmann, G., Neue Forschungsergebnisse über Antibiotika und ihre Begleitstoffe (Wuchs- und Wirkstoffe). *Pharmazie* 6. 1951, 369—377, 6 Abb.
- Schaffer, P. S., Scott, W. E., and Fontaine, T. D., Antibiotics that come from plants. *Yearb. Agric. (U.S. Dept. Agric.)* 1950—1951, 727—733.
- Shikano, T., (Pyrethrine content in pyrethrum flower as the inspection standard.) *Tokyo Food Res. Inst. Rept.* 5. 1951, 161—162.
- Siminoff, P., and Gottlieb, D., The production and role of antibiotics in the soil: I. The fate of streptomycin. *Phytopathology* 41. 1951, 420—430, 1 fig.
- Spendlove, J. C., The antibiotic effects of various strains of *E. coli* against some types of soil fungi. *Utah Acad. Sci. Arts, Let. Proc.* 26 (1948/49). 1951, 142 (Abstr.).
- Starr, G. H., Burke, D., Smith, W., Hildreth, R., and Paulus, A., Antibiotics for bean blight control. *Agron. J.* 43. 1951, 617.
- Stessel, G. J., Methods of selecting soil microorganisms that produce antibiotics active against plant pathogens. *Phytopathology* 41. 1951, 33.
- Taguchi, H., (Antibiotic substances produced by *Actinomyces*. VIII.) *J. Antibiotics (jap.)* 4. 1951, 460—461.
- Takeuchi, T., (Analytical method of derris powder.) *Jap. J. Plant Prot.* 21. 1951, 30—33.
- Timonin, M. I., Activity of patulin against *Ustilago tritici* (Pers.) Jen. *Sci. Agric.*, Ottawa, 26. 1946, 358—368.
- Turner, N., Synergism between nicotine and pyrethrum. *J. econ. Ent.* 44. 1951, 106—108.
- Turner, N., Saunders, D. H., and Willaman, J. J., The effect of some polyethyleneglycol derivatives on the toxicity of nicotine to insects. *Connecticut agric. Exp. Stat. Bull.* 543. 1951, 35 p., 9 fig.
- Van der Weele, S., Antibiotica voor de tuinbouw. *Tuinbouw* 6. 1951, nr. 4, p. 79—81.
- Vogel, H., Die Antibiotica. *Grundzüge der Chemie und Physiologie der mikrobiellen Hemmstoffe.* H. Carl, Nürnberg 1951. XII + 528 S.
- Waksman, S. A., Romano, A. H., Raubitschek, F., and Lechevalier, H., (Antibiotics as fungicides.) *Chim. e Ind.* 33. 1951, 514.
- Wallen, V. R., and Skolko, A. J., Activity of antibiotics against *Ascochyta pisi*. *Canad. J. Bot.* 29. 1951, 316—323.
- Weindling, R., Microbial antagonism and disease control. *Soil Sci.* 61. 1946, 23—30.
- West, T. F., The active principles of pyrethrum flowers. *Pyrethrum Post* 2. 1951, nr. 2, p. 16—22.
- Wilson, G. B., and Bowen, C. C., Cytological effects of some more antibiotics. *J. Heredity* 42. 1951, 251 bis 255.
- Winter, A. G., und Willeke, L., Untersuchungen über Antibiotica aus höheren Pflanzen. Leicht flüchtige Hemmstoffe der Ranunculaceen. III. Mitteilung. *Naturwissenschaften* 38. 1951, 457.
- Winter, A. G., und Willeke, L., Untersuchungen über Antibiotica aus höheren Pflanzen und ihre Bedeutung für die Bodenmikrobiologie und Pflanzensoziologie. *Naturwissenschaften* 38. 1951, 262—264.
- Wright, J. M., Phytotoxic effects of some antibiotics. *Ann. Bot.* 15 (n. ser.). 1951, 493—399.
- List of wood preserving plants — United States. *Proc. amer. Wood Preserv. Assoc.* 47. 1951, 329—337.
- Pyrethrum outlook. *Soap, sanit. Chem.* 27. 1951, nr. 3, p. 114—115.
- Das sogenannte »synthetische Pyrethrum«. *Anz. Schädl.kunde* 24. 1951, 111—112.

Hormone Hormones — Hormones

- Åberg, E., Die hormonale Unkrautbekämpfung. *Umschau* 51. 1951, 498—499, 3 Abb.
- Åberg, E., and Hagsand, E., Comparison between methoxone, 2, 4-D and 2, 4, 5-T as weed and brush killers under Swedish conditions. *Agric. Chem.* 6. 1951, nr. 9, p. 49, 104.
- Akamine, E. K., Persistence of 2,4-D toxicity in Hawaiian soils. *Bot. Gaz.* 112. 1951, 312—319.
- Alibert, H., Les désherbants sélectifs à base de 2,4-D. *Rev. agric. Afr. Nord* 49. 1951, 135—136.

- Altona, R. E.**, The use of hormone weedkillers in Africa, south of the Sahara. Rhodesia agric. J. 48. 1951, 560—562.
- Assouly, M.**, Desherbants selectifs et substances de croissance. Effect pathologique sur l'homme au cours de la fabrication de l'ester du 2,4-D. Arch. Mal. Prof. 12. 1951, 26—30.
- Audus, L. J.**, The biological detoxication of hormone herbicides in soil. [Bact. globiforme] Plant and Soil (The Hague) 3. 1951, 170—192.
- Aufvenne, J.**, Neuzeitliche Unkrautbekämpfung auf genossenschaftlicher Grundlage. [U 46] Landw. Wochenbl. Westf., Lippe 108 A. 1951, 632—633.
- Becker**, Unkrautbekämpfungsmittel auf Wuchsstoff-grundlage bei Kleeuntersaat. Landw. Ztschr. Nord-Rheinprov. 118. 1951, 322.
- Brodie, A.**, Weed control with hormones. Massey agric. Coll. Dairyfarm. Ann. 4. 1951, 69—74.
- Bucha, H. C.**, and **Todd, C. W.**, 3-(p-chlorophenyl)-1,1-dimethylurea — a new herbicide. Science, Lancaster, 114. 1951, 493—494.
- Carlson, H.**, (Advice and experiences in the control of weeds with hormone derivatives.) Tidskr. Hush-sällsk., Skogsvårdsstyr., Gävleborgs Län, 26. 1951, inside back cover.
- Da C. Paixao, J.**, (Plant hormones and herbicides.) Agronomia, Rio de Janeiro, 10. 1951, 173—178.
- Da Ponte, A. M.**, (Plant hormones in selective weed control.) [2,4-D] Gaz. Agr. (portug.) 3. 1951, 15—21.
- Della Coste, A. C.**, Cardos y quinoas, su control con matayuyos. [control with 2,4-D and other substances] Chacra 22. 1951, nr. 252, p. 68.
- Dörr, H.**, Unkrautbekämpfung mit dem Pflanzen-hormon »Netagrone«. Saarl. Bauernbl. 5. 1951, 34, 1 Abb.
- Eames, A. J.**, Leaf ontogeny and treatments with 2,4-D. Amer. J. Bot. 38. 1951, 777.
- Everson, L. E.**, and **Dunham, R. S.**, The effect of 2,4-dichlorophenoxyacetic acid on certain weed and crop seeds. Minnesota agric. Exp. Stat. Techn. Bull. 197. 1951, 24 p., 13 fig.
- Finn, T. P.**, »Herbicide 1« offers new technique for agricultural chemical weed killer. [sodium 2,4-dichlorophenoxyethyl sulfate] Agric. Chem. 6. 1951, nr. 9, p. 53, 55, 93, 95, 97.
- Fox, B. C.**, Hormones and weed control. New South Wales Inst. Insp. Stock Yearbook 1951, 101, 103, 105, 107, 109.
- Geier, H.**, Unkrautbekämpfung mit Hormonpräparaten. Neue Mitt. Landw., Hannover, 6. 1951, 247.
- Hagsand, E.**, (Hormone derivatives in the spring grain summer 1950.) [weed control] Lantmannen 35. 1951, 147—148.
- Holz, W.**, Unkrautbekämpfungsmittel auf Hormon-basis. Praxis u. Forschung 2. 1951, 76—77.
- Huppert, V.**, Neuzeitliche Unkrautbekämpfung mit Wuchsstoffen. Neue Mitt. Landw., Hannover, 6. 1951, 216—217, 1 Abb.
- Ibberson, J. E.**, and **Egler, F. E.**, Right-of-way maintenance by the selective application of selective herbicides. [2,4-D, Ammate] Pennsylv. Forests, Waters 3. 1951, 114—115, 125.
- Kauffman, R. I.**, Contractor's viewpoint on brush control with 2,4-D and 2,4,5-T in an oil carrier. Northeast. Weed Control Conf. Proc. 5 (sup.). 1951, 53—56.
- Laurent, G.**, Pratique de l'utilisation des hormones sélectives pour la destruction des mauvaises herbes. Inform. maroc. 526. 1951, 1—2.
- Leaper, J. M. F.**, Preferential resistance to chemical changes due to soil microorganisms of the substituted amides of 2,4-D. Agric. Chem. 6. 1951, nr. 9, p. 49.
- Ling, L.**, Weed control by growth-regulating substances. FAO agric. Studies, Washington, nr. 13. 1951, 36 p., 5 fig.
- Linser, H.**, Unkrautbekämpfung auf hormonaler Basis. Bodenkultur, Wien, 5. 1951, 191, 18 Abb.
- Linser, H.**, Weed control with plant growth substances. Bodenkultur, Wien, 5. 1951, 191—222.
- Linser, H.**, und **Primost, E.**, Über die Verwendbarkeit von Holzfässern bei der hormonalen Unkrautbekämpfung im Hinblick auf mögliche Schädigungen durch andersartigen Gebrauch der gleichen Arbeitsgeräte bei dicotylen Kulturpflanzen. Pflanzenschutzberichte, Wien, 6. 1951, 161—177, 6 Abb.
- Marais, E.**, Spraying of 2,4-D by aircraft. South. afr. Weed Control Conf. Proc. 1. 1951, 20—22.
- Marais, E.**, 2,4-D; careful application of weedicide necessary to ensure best results. Farmer's Weekly 81. 1951, 31.
- Marcelli, E.**, Risultati di un secondo anno di prove di lotta contro il *Cyperus rotundus* L. con »2,4-D«. (Results of the second year of the control of *Cyperus rotundus* L. with »2,4-D«.) Tobacco 55. 1951, 120—126. — Not. Mal. Pianta nr. 14. 1951, 20—26.
- Matthews, L. J.**, Hormone weedkillers for scrub control. New Zealand J. Agric. 82. 1951, 11, 13—14.
- Minshall, W. H.**, Recent developments on the physiology of herbicidal action with 2,4-D and maleic hydrazide. Canada nat. Weed Comm., east. Sect., Proc. 4. 1951, 112—113.
- Mucci, F.**, Reazioni del frumento agli ormoni da diserbo. Nota preliminare. [2,4 D] Ann. Fac. Agr. Portici Univ. Napoli (ser. 3) 19. 1950—1951, 288—292.
- Mullison, W. R.**, The relative herbicidal effectiveness of several derivatives of 2,4-dichlorophenoxyacetic acid and 2,4,5-trichlorophenoxyacetic acid. Plant Physiol. 26. 1951, 773—777.

- Mullison, W. R., Coulter, L. L., and Barrons, K. C., Comparative herbicidal effectiveness of certain alkyl and glycol esters of 2,4-D and 2,4, 5-T. North Centr. Weed Control Conf., Milwaukee, 1951.
- Muzik, T. J., Loustalot, A. J., and Cruzado, H. J., Movement of 2,4-D on soil. *Agron. J.* 43. 1951, 149—150.
- Naito, N., and Tani, T., (Effect of 2,4-D in culture medium on the mycelial growth of *Gloeosporium olivarum* Alm.) Kagawa-Ken agric. Coll. Techn. Bull. 3. 1951, 80—90.
- Newman, A. S., Thomas, J. R., and Walker, R. L., Disappearance of 2,4-D and 2,4, 5-T from soil. *Agric. Chem.* 6. 1951, nr. 11, p. 71.
- Offord, H. R., and Voss, C. M., Fogging Ribes, white pine, and brush with 2,4-D by helicopter. *Weeds* 1. 1951, 61—69.
- Pfeiffer, R., Die Wirkung von Hormonpräparaten auf Unkräuter und Getreide. Ber. Arb.tag. 1951 österr. Saatz.leiter, Admont 1951.
- Piacco, R., (Anomalies of biochemical weed eradication.) *Italia agric.* 88. 1951, 517—523.
- Rademacher, B., Der derzeitige Stand der Forschung über die Anwendung von Wuchsstoffen als Herbizide. Mitt. Biol. Zentralanst., Berlin-Dahlem, H. 70. 1951, 33—36.
- Reisinger, E., Erfolge mit der hormonalen Unkrautbekämpfung in Kärnten. *Kärntner Bauer* 101. 1951, 244—246.
- Ronceray, F., L'utilisation des hormones de synthèse ne présente plus de risques pour les agriculteurs. *Déf. agric. Beauce, Perche* 48. 1951, 141.
- Slaats, M., Stryckers, J., (Improvement of the sward of permanent pastures. II. Investigations to determine the most favourable period for the application of synthetic growth substances as selective herbicides.) *Meded. Landbouwhogeschool. Gent* 16. 1951, 95—111.
- Smith, F. D., War on roadside weeds; the selective hormone spray is efficient and labour-saving, but it has raised much unfounded opposition. *Field* 198. 1951, 413—414.
- Sperry, O. E., The effects of 2,4-D on bitterweed seed. *Texas Livestock J.* 10. 1951, nr. 2, p. 38—39.
- Stahler, L. M., How North Central Weed Conference area has made use of 2,4-D and 2,4, 5-T. *Agric. Chem.* 6. 1951, nr. 4, p. 39—40, 107—109.
- Stuch, Gedanken zu U 46. *Landw. Ztschr. Nord-Rhein-prov.* 118. 1951, 242.
- Tafuro, A., and Van Geluwe, J., 2,4-D and 2,4, 5-T (for poison ivy control). *Amer. Fruit Grower, Cleveland (Ohio)*, 71. 1951, nr. 4, p. 20—21.
- Thimann, K. V., The use of 2:4-D against a woody tropical weed (*Dichrostachys nutans*). *Int. Congr. Crop Prot. Proc.* 2 (1949). 1951, 433—437.
- Thorup, S., Laboratorieforsøg med hormonpræparater til ukrudtsbekaempelse. (Laboratory experiments with control of weeds with hormone preparations.) *Tidsskr. Planteavl, København*, 54. 1951, 553—627, 14 fig. (Stat. Forsøgsvirks. Plankult. Beretn. 441).
- Vaas, K. F., Notes on the water hyacinth in Indonesia and its eradication by spraying with 2,4-D. [*Eichhornia crassipes*] *Pemb. Balai Besar Penj. Pert.* (Contrib. gen. agric. Res. Stat.), Bogor, nr. 120. 1951, 59 p., 8 fig.
- Van Overbeek, J., Blondeau, R., and Horne, V., Difference in activity between 2,4-dichlorophenoxyacetic acid and other auxins, and its significance in herbicidal action. *Plant Physiol.* 26. 1951, 687—696.
- Vidme, T., (Hormone preparation as herbicide in gardening.) *Norsk Hageetid.* 67. 1951, 202—203, 207—210.
- Voevodin, A. V., (Sensitivity of weeds (*Cirsium arvense* and *C. incanum*) to 2,4-D in relation to their biological characteristics.) *Zhurn. Obshch. Biol. (russ.)* 12. 1951, 282—286.
- Werry, F. E., A farmer appraises 2,4-D. *West. canad. Weed Control Conf. Proc.* 4. 1951, 123—128.
- Woestemeyer, V. W., Preparations of 2,4-D. In: *Weed Handbook* (Kansas Board Agric.), Topeka, 1951, 23—26.
- Wood, H. E., Keeping up to date in the use of 2,4-D. *West. canad. Weed Control Conf. Proc.* 5. 1951, 200—205.
- Zahley, J. W., Controlling weeds in Kansas with 2,4-D and other chemicals. In: *Weed Handbook* (Kansas Board Agric.), Topeka, 1951, 12—22.
- Zimmerman, P. W., (Hormone — Pflanzenwachstumsregulatoren.) *J. chem. Educ., Easton (Pa.)*, 28. 1951, 113—115.
- Beating brush with 2,4, 5-T. *Chem. Ind. Week* 68. 1951, nr. 12, p. 25—26.
- Brush control in Arkansas. [2,4-D, 2,4, 5-T] *Agric. Chem.* 6. 1951, 75.
- Unkrautbekämpfung mit Hormonpräparaten. *Neue Mitt. Landw., Hannover*, 6. 1951, 634.

Varia

- Abiusso, N. G., Experiencias preliminares sobre toxicidad a los hongos del cloruro de N-propil tetradecanil amido dimetil bencil amonio. *IDIA (Inform. Invest. agric. Argentina)* 4. 1951, nr. 37—39, p. 33—36.
- Anderson, B. I., and Swaby, R. J., Factors influencing the fungistatic action of 8-hydroxyquinoline (oxine) and its metal complexes. *Austr. J. sci. Res., Ser. B (biol. Sci.)*, 4. 1951, 275—282.

- Ark, P. A.**, Sodium salt of o-hydroxydiphenyl, a promising chemotherapeutant. [Rhizoctonia solani] Plant Dis. Repr. 35. 1951, 44.
- Aubry, J., Hatt, P., et Porcheron, P.**, Toxicité de l'alpha naphthyl thiouree (Antu) à l'égard du campagnol des champs, *Microtus arvalis* Pallas. Ann. Epiphyties (Ann. Inst. nat. Rech. agron. sér. C), Paris, 2. 1951, 402—403.
- Barrons, K. C.**, Some physiological aspects of the herbicidal action of DNOSBP. [dinitro-o-sec. butyl phenol] Down to Earth 7. 1951, nr. 3, p. 10—12.
- Bottger, G. T., Yerington, A. P., and Gertler, S. I.**, Preliminary tests of some hydrazides and hydrazones as insecticides. U.S. Dept. Agric. Bur. Ent., Plant Quar. E-815. 1951, 17 p.
- Brown, F. C., and Bradsher, Ch. K.**, Mildew-preventing activity of rhodanine derivatives. Nature, London, 168. 1951, 171.
- Bustiza, F.**, Contribución al estudio de las propiedades antibacterianas y antifúngicas del ácido usnico y de algunos de sus derivados. An. Jard. bot. Madrid 10. 1951, 151—175.
- Caron, P. E.**, What do you know about thallium sulphate? [rat control] Pest Control 19. 1951, nr. 8, p. 18.
- Cossitt, F. M.**, Weeding with oil. Tree Planters' Notes nr. 4. 1951, 3—4.
- Crowdy, S. H.**, Chemotherapeutant effect of certain aryloxyaliphatic acids. Phytopathology 41. 1951, 8.
- Crowdy, S. H., and Wain, R. L.**, Studies on systemic fungicides. I. Fungicidal properties of the aryloxyalkylcarboxylic acids. Ann. appl. Biol. 38. 1951, 318—333, 2 fig.
- Cuillé, J.**, Effet de synergisme obtenu lors de la dégradation du mélange de chlordane et de parathion. Fruits 6. 1951, 99—103.
- De Ong, E. R.**, Refined petroleum oil as an insecticide. World Crops 3. 1951, nr. 1, p. 19—22.
- Dierick, G. F. E. M.**, Comparison of the sensitivity of various insects and mites to mineral oils. Int. Congr. Crop Prot. Proc. 2 (1949). 1951, 105—108.
- Downing, R. S.**, Acaricide trials in British Columbia, 1950. Proc. ent. Soc. brit. Columbia 47. 1951, 1—4.
- Eaton, J. K.**, A review of recent research on synthetic acaricides. Int. Congr. Crop Prot. Proc. 2 (1949). 1951, 119—124.
- Eggink, H. J.**, (Results obtained with the weed-killer DNC in 1951.) Versl. Centr. Inst. landb.kdg. Onderz. 1951, 127—131.
- Ellis, F. W.**, Use of petroleum as a weedkiller. Grower, London, 35. 1951, 75, 77.
- Freed, V. H.**, Some factors influencing the herbicidal efficacy of isopropyl-N-phenyl carbamate. Weeds 1. 1951, 48—60. — Agric. Chem. 6. 1951, nr. 12, p. 63, 95.
- Freed, V. H., and Bierman, H. E.**, IPC — a new grass killer. [O-Iso-propyl-N-phenyl carbamate] Crops and Soils 3. 1951, nr. 6, p. 25—26.
- Fries, N., and Panders, A.**, The growth-inhibiting effect of 5-amino-7-hydroxy-triazolopyrimidine in fungi and its reversal by purines. Ark. Bot., Stockholm (2nd Ser.), 1. 1951, 437—444, 6 fig.
- Génin, G.**, Nouveaux insecticides et parasitocides à base de composés organiques du fluor ou du phosphore. Ind. Chim. 38. 1951, 241—245.
- Gonggrijp, J.**, Het gebruik van minerale oliën voor bestrijding van onkruid. (The use of weed-killing oils.) Landbouwkdg. Tijdschr. 62. 1951, 103—116.
- Grandori, R.**, (Tests with the insecticide Midol-Tio against insects harmful to agriculture.) Boll. Zool. agr., Bachic., Torino, 17. 1951, 29—50.
- Groves, A. B.**, An apparent influence of naphthalene acetic acid applications on subsequent fruit abscission and black-rot development. Phytopathology 41. 1951, 561.
- Hall, L. A.**, Ethylene oxide process reduces spoilage organisms. Food Packer, New York, 32. 1951, nr. 12, p. 26—28, 47, 2 fig.
- Halleman, A.**, (Carbamates as fungicides.) Cult. en Handel 17. 1951, 555—556.
- Henriet, J.**, Contribution à l'analyse des produits phytopharmaceutiques. Produits raticides à base de phosphore de zinc. Parasitica 7. 1951, 45—54.
- Hernandez, V. C.**, Warfarin — new rodenticide. Agric., ind. Life 13. 1951, nr. 9, p. 19, 37.
- Hey, G. L.**, The new DNC (Dinitro-o-cresol) concentrates. Grower, London, 36. 1951, 901.
- Horsfall, J. G., and Rich, S.**, Fungitoxicity of heterocyclic nitrogen compounds. Contrib. Boyce Thompson Inst. 16. 1951, 313—347.
- Hummer, R. W., and Kenaga, E. E.**, Structural and insecticidal relationships in rotenone, methoxychlor and DDT. Science, Lancaster, 113. 1951, 653—655.
- Judah, J. D., and Williams-Ashman, A. G.**, The mode of action of nitrated phenols. Int. Congr. Crop Prot. Proc. 2 (1949). 1951, 237—238.
- Katsuda, Y., Inouye, Y., Nishimura, A., Kitagawa, K., Shinohara, T., and Ohno, M.**, (Studies on the synthetic pyrethrins. II. Synthesis of cinerolone-homologues.) Botyu-Kagaku, Kyoto, 16. 1951, 115—119.
- Katznelson, H., and Sutton, M. D.**, Inhibition of plant pathogenic bacteria in vitro by antibiotics and quaternary ammonium compounds. Canad. J. Bot. 29. 1951, 270—278.
- Kirchberg, E.**, Synthetisches Pyrethrum. Ztschr. hyg. Zool. 39. 1951, 62.
- Kircher, W. H.**, Weeds are '52 threat. Farmer, St. Paul (Gen. Ed.), 69. 1951, nr. 22, p. 9, 57.

- Kneale, R. E., and Tamblyn, N., The toxicity of naphthenic acid and copper naphthenate to wood destroying fungi. Forest Prod. Lab., South Melbourne, Progr. Rept. (3). 1951, 16 p., 7 fig.
- Köhler, H., Dibutyl-naphthalin-sulfosaures Natrium, ein neues Fungizid. Nachr.bl. dtsh. Pfl.schutzd., Berlin, NF. 5. 1951, 145—148.
- Krieg, H., (α -Naphthylthioharnstoff als Wirkstoff bei der Nagerbekämpfung.) Seifen-Öle-Fette-Wachse 77. 1951, 171—172.
- Krijgsman, B. J., and Lingbeek, T., Contact activity and real toxicity of some iodo-nitrobenzene compounds. Bull. ent. Res. 42. 1951, 135—141.
- La Clair, J. B., Report on rodenticides. [analysis] J. Assoc. Off. agric. Chem. 34. 1951, 670—672.
- Langquist, K., Allyl alcohol application through the overhead sprinkler system. [weed control] Planters' Notes 7. 1951, 12—13.
- Lüttmann, H. G., Kalkstickstoff — ein zu wenig beachtetes Unkrautbekämpfungsmittel. Neue Mitt. Landw., Hannover, 6. 1951, 283—284.
- McKinlay, K. S., and Kirby, A. H. M., Benzyl alcohol as an aid to penetration of certain ovids. [tests with *Paratetranychus pilosus*, *Aphis pomi*, *Operophtera brumata*] Nature, London, 166. 1951, 153.
- McNew, G. L., and Burchfield, H. P., Fungitoxicity and biological activity of quinones. Contrib. Boyce Thompson Inst. 16. 1951, 367—374.
- Manten, A., Klöpping, H. L., and Van der Kerk, G. J. M., Investigations on organic fungicides. III. The influence of essential trace metals upon the fungitoxicity of tetramethylthiuram disulphide and 8-hydroxyquinoline. Antonie van Leeuwenhoek, J. Microbiol., Serol., 17. 1951, 58—68, 1 fig.
- Maughan, F. B., Mizell, F. M., and Nichols, J. P., Further studies on aerosol formulations with lethane and other toxicants. Soap, sanit. Chem., New York, 27. 1951, nr. 2, p. 125, 127, 131.
- Mettenheim, A. E. v., Beitrag zur Frage der bodenreinigenden Wirkung des Kalkstickstoffs. Diss. Univ. Frankfurt/M. 1951.
- Montón, L. G., Über 2, 3-dioxo-pyrrolidine. Diss.verlag, Zürich 1951. 97 S.
- Münchberg, P., Zur Chemie, Technologie und Toxikologie der Nagergifte in Vergangenheit und Gegenwart. Schädlingsbekämpfung 43. 1951, 123—130.
- Parker, V. H., and Roe, J. W., The determination of small quantities of 2:4-dinitro-o-cresol in biological material. Int. Congr. Crop Prot. Proc. 2 (1949). 1951, 339—342.
- Petch, C. E., and Beaulieu, A. A., New insecticides and acaricides. Pomol., Fruit Growing Soc. Prov. Quebec Ann. Rept. 57 (1950). 1951, 100—106.
- Philipp, W., Wie sind Gelböle zur Winterspritzung zu beurteilen? Gesunde Pflanzen 3. 1951, 240—243.
- Poljakow, J. M., und Schumakowa, A. A., (Wirksamkeit des Präparates Dinitroortokresol im Kampf gegen den Erreger der pilzlichen Erkrankungen der Pflanzen.) (Arb. allruss. Inst. Pfl.schutz, Moskau-Leningrad), Liefg. 3. 1951, 178—190.
- Porter jr., W. K., and Holstun jr., J. T., The reactions of cotton and some common weeds to various naphthene concentrations in post-emergence herbicidal oil. South. Weed Conf. Proc. 4. 1951, 57—59.
- Rademacher, B., und Flock, A., Untersuchungen über die Anwendung von Kalkstickstoff und Feinkainit gegen die Ackerunkräuter der Lehm- und Sandböden. Ztschr. Acker- u. Pfl.bau 94. 1951, 1—54.
- Reiff, M., und Wiesmann, R., Untersuchungen über ein neues Rodentizid mit kumulativer Wirkung auf Basis der Cumarin-Derivate. Acta Tropica, Basel, 8. 1951, 97—130, 6 Abb. + 4 fig.
- Rhodes, E. O., History of changes in chemical composition of creosote. Proc. amer. Wood Preserv. Assoc. 47. 1951, 40—61.
- Richter, G., Laboratoriumserhebungen im Dienste der Engerlingsbekämpfung mit Hexa- und Estermitteln. Forstw.-Holzw. 5. 1951, 112—117.
- Rittmeyer, K., Kalkstickstoff gegen Unkraut. Landw. Wochenbl. Kurh. u. Waldeck 166. 1951, 1136, 2 Abb.
- Ross, W., Reviewing the first year of experience with new Warfarin-rodenticides. Agric. Chem. 6. 1951, nr. 10, p. 39—41.
- Schaefferen, B., Biologische Gesichtspunkte zur Giftköderbekämpfung. Anz. Schädli.kunde 24. 1951, 154—155.
- Schmitt, C. G., Comparison of a series of derivatives of 4,5-dimethyl-2-mercaptothiazole for fungicidal efficacy. Contrib. Boyce Thompson Inst. 16. 1951, 261—265.
- Sittig, Zu »Unsere Wildverbißmittel«. Allg. Forstztschr. 6. 1951, 538—539.
- Swarbrick, T., Petroleum oil fractions as total and selective herbicides. Int. Congr. Crop Prot. Proc. 2 (1949). 1951, 417—427.
- Sweet, R. D., The war against weeds. [petroleum as a weedicide] Lamp, New York, 33. 1951, 21—23.
- Uhl, H., Untersuchungen über die Anwendung von Kalkstickstoff und Feinkainit gegen die Ackerunkräuter auf Kalkböden. Diss. Hohenheim 1951.
- Van Staalduine, D., Doeltreffende onkruidbestrijding met Shell algemeen onkruidbestrijdingsmiddel »AD.«. (Effective control of weeds with the Shell general herbicide »AD.«) Groenten en Fruit 6. 1951, 765—766.

Vent, E., Der Kalkstickstoff als Helfer im Kampf gegen die Unkräuter und seine Anwendung. Dtsch. Landw. 2. 1951, 155—157.

Viado, G. B., Warfarin and lindane: two new pest control materials in the market. Agric., ind. Life 13. 1951, nr. 4, p. 12, 33, 38.

Vidme, T., (Mineral oils as weed killer.) Landbruks-tidende 57. 1951, 445—449.

Viel, G., et **Chancogne, M.**, Étude des actions ovicides. II. Toxicité des dinitrophénolates. Ann. Epiphyties (Ann. Inst. nat. Rech. agron. sér. C), Paris, 2. 1951, 450—455, 2 fig.

Viel, G., **Raucourt, M.**, and **Chancogne, M.**, Comparison du pouvoir ovicide du dinitroresylate de sodium sur les oeufs d'Ephesia künniella, Aphis pomi et Operopthera brumata. Int. Congr. Crop Prot. Proc. 2 (1949). 1951, 487.

Wain, R. L., Plant growth-regulating and systemic fungicidal activity: the aryloxyalkylcarboxylic acids. J. Sci. Food, Agric. 2. 1951, 101—106.

Weinman, C. J., and **Moore, T. E.**, Field tests on new acaricides in 1950. Illinois State hort. Soc. Trans. 84 (1950). 1951, 60—72.

Whaley, F. R., and **Harry, J. B.**, Chromate complexes as fungicides. Contrib. Boyce Thompson Inst. 16. 1951, 375—386.

Wiesmann, R., **Gasser, R.**, und **Grob, H.**, Über ein neuartiges, selektives Aphizid mit Tiefenwirkung. [5,5-dimethyldihydroresorcinol-dimethylcarbamate] Experientia, Basel, 7. 1951, 117—120.

Wilson, J. R. W., Field notes on use of the herbicides IPC (isopropyl N-phenyl carbamate). Agric. Chem. 6. 1951, nr. 2, p. 34—37, 91, 93—97.

Yasutomi, K., (Studies on the toxicities of hydrocarbons and ester oils. 2.) Oyo-Kontyu, Tokyo, 7. 1951, 91—92 (Abstr.).

Insecticide and fungicide issue. Maryland Insp., Regul. Serv. Off. Rept. 218. 1951, 96 p.

Insecticides and weedkillers: Overseas specialists study British advances. Gard. Chron. 130. 1951, 12.

Methocel finds important new agricultural applications. Down to Earth 7. 1951, nr. 1, p. 5.

Shell algemeen onkruidbestrijdingsmiddel »AD.«. Shell-Bestrijdingsmiddelen nr. 4. 1951, 4 p.

Unkrautbekämpfung durch Kalkstickstoff. Rhein. Bauernztg. 5. 1951, 43—44.

Unsere Wildverbisschutzmittel. Allg. Forstztschr. 6. 1951, 442—443.

d. Physikalische und mechanische Mittel, Geräte

Physical and mechanical means, machines Moyens physiques et mécaniques, outillage

Akesson, N. B., Calibration of the agricultural pest control aircraft sprayer and duster. Calif. Dept. Agric. Bull. 40. 1951, 21—26.

Akesson, N. B., What the dealer needs to know about weed sprayers. Impl. Rec. 48. 1951, nr. 3, p. 39—40, 42, 47.

Aleksandar, St., (The results of insecticide application by aeroplanes against the caterpillars of Euxoa temera Hb. in North Banat.) Plant Prot., Beograd, nr. 6—7. 1951, 80—100, 3 fig.

Anderson, E. D., Here are up-to-the-minute uses for sprayers and dusters. Better Farming Methods 23. 1951, nr. 3, p. 36, 38—39.

Anderson, E. D., Modern insecticide sprayers. Soap, sanit. Chem., New York, 27. 1951, nr. 2, p. 121—123, 139.

Anderson, E. D., New developments broaden sprayer-duster market; increased farm output hinges upon weed and insect control. Implement and Tractor 66. 1951, nr. 9, p. 40—41, 106—107.

Andison, H., A home-made sprayer for attachment to a tractor power take-off. Canada Dept. Agric. Processed Publ. Ser. (Ent.) nr. 119. 1951, 11 p., 5 fig.

Beran, F., **Kahl, E.**, **Scheruga, F.**, and **Knell, K.**, Verbesserte Feldspritze »Herkules«. Österr. Landtechn. 4. 1951, 157—158.

Biondi, L., (Large and small equipment for dusting.) Terra e Sole (ital.) 107. 1951, 274—275.

Birk, G., Schädlingbekämpfung mit dem Hubschrauber. Techn. Bauern, Gärtner (Ausg. A) 3. 1951, 473.

Bogavac, M., (Resultats d'un essai de traitement aérien contre Hyphantria cunea Dr.) Plant Prot., Beograd, nr. 6—7. 1951, 158—161.

Brewster, R. H., Airplane dusting. Amer. Nurseryman 93. 1951, nr. 8, p. 12, 32.

Burrell, A. B., Converting large air-blast sprayers for application of semi-concentrates. New Jersey State hort. Soc. News 32. 1951, 2348—2349, 2351.

Burrell, A. B., Converting large air-blast sprayers for semi-concentrates. Virginia Fruit 39. 1951, nr. 5, p. 22, 24, 26—27.

Burrell, A. B., In nozzle requirement, the 1951 speed sprayer differs from earlier models. New Jersey State hort. Soc. News 32. 1951, 2421.

Burrell, A. B., Progress report on the use of a speed sprayer at different concentrations. New York State hort. Soc. Proc. 96. 1951, 108—111.

- Censi, G.**, Relazione sugli apparecchi e macchine maggiormente adatti all'applicazione degli antiparassitari ed erbicidi. 1. Conf. int. Lutte contre Parasites Plantes 3.—6. 10. 1950 Rom. 1951, 280—296.
- Cock, R. E.**, Crop spraying machinery. Tasmanian J. Agric. 22. 1951, 169—175.
- Collomb, C.**, L'évolution du machinisme agricole en matière de traitement des cultures. Phytoma, Paris, 4. 1951, nr. 23, p. 17—19, 2 fig.
- Cooper, D. J.**, Wide-jet spray nozzles. Canad. nat. Weed Com., east. Sect., Proc. 4. 1951, 62.
- Creasy, L. E.**, and **Mayeux, M. M.**, The sprayer and its use. Louisiana agric. Coll. Ext. Publ. 1085. 1951, 31 p.
- Crosbie, C. J.**, Low-volume sprayers: construction and operation. New Zealand J. Agric. 83. 1951, 289, 291—293, 295.
- Daulton, A. C.**, and **Stokes, W. M.**, Farming industry may save millions; electrical treatment kills root pests. Rhodesian Farmer 5. 1951, nr. 4, p. 9.
- Davis, J. M.**, A vibratory apparatus for producing drops of uniform size. U.S. Dept. Agric. Bur. Ent., Plant Quar. ET-295. 1951, 2 p.
- De Bruyn Ouboter, M. P.**, **Beijer, J. J.**, and **Van Slogteren, E.**, Diagnosis of plant diseases by electron microscopy. Antonie van Leeuwenhoek, J. Microbiol., Serol., 17. 1951, 189—208, 17 fig.
- De Leeuw-Polak, B.**, (Modern agricultural methods in an old land; control of agricultural diseases and pests in Israel by aircraft.) Landbode 5. 1951, nr. 50, p. 3.
- Dérivé, M.**, Procédés physiques de désinsectisation. Chim. et Ind., Paris, 65. 1951, 39—42.
- Dickerson, R. L.**, **Edwards, F. E.**, and **Hamner, A. L.**, Low cost insecticide sprayer for small farms. Mississippi agric. Exp. Stat. Inform. Sheet 464. 1951, 2 p. — Mississippi Farm Res. 14. 1951, nr. 5, p. 8.
- Di Lauro, B.**, Mezzi e macchine nuove per il progresso della tecnica fitosanitaria. Giorn. Ital. agric. 36. 1951, nr. 5, p. 2.
- Dobričanić, I.**, (Cutworm control by aircraft in northern Banat 1950.) [Agrotis, Euxoa] Plant Prot., Beograd, nr. 6—7. 1951, 64—74, 4 tab.
- Dünnebeil, H.**, Aufgaben der Geräteindustrie für Schädlingsbekämpfung im Fünfjahrplan. Dtsch. Landw. 2. 1951, 32—35, 6 Abb.
- Dünnebeil, H.**, Probleme der Spritz- und Stäubetechnik. Dtsch. Agrartechn. 1. 1951, 240—244.
- Eaton, C. B.**, and **Secrest, J. P.**, A laboratory spray chamber for producing deposits of limited drop size. U.S. Dept. Agric. Bur. Ent., Plant Quar. ET-293. 1951, 6 p.
- Edwards, F. E.**, Machines adapted for use in chemical weed control. Mississippi Farm Res. 14. 1951, nr. 2, p. 1—3.
- Elishewitz, H.**, What are the potential pest control problems in an atomic-bombed community? III. [rat control] Pest Control 19. 1951, nr. 9, p. 22, 24, 26.
- Ext, W.**, Feldspritze richtig einstellen. Bauernbl. Schlesw.-Holst. 5./101. 1951, 655.
- Fleming, R.**, Workhorse with wings. Crops and Soils 3, 1951, nr. 8, p. 22—24, 4 fig.
- Fulton, R. A.**, **Konecky, M. S.**, and **Smith, F. F.**, Determining the efficiency of respiratory cartridges and gas-mask canisters against dusts and sprays. U.S. Dept. Agric. Bur. Ent., Plant Quar. E-830. 1951, 6 p.
- Gaines, J. C.**, and **Miller, H. F.**, Spray machine for testing insecticides on small field plats. Texas agric. Exp. Stat. Progr. Rept. 1405. 1951, 2 p.
- Gallwitz, K.**, Entwicklungsstand der deutschen Pflanzenschutztechnik. 1. Conf. int. Lutte contre Parasites Plantes 3.—6. 10. 1950 Rom. 1951, 297—303.
- Gallwitz, K.**, Pflanzenschutztechnik. Landtechnik 6. 1951, 506—508.
- Garton, J. E.**, A graphic solution for mast type orchard sprayer problems. Oklahoma agric. Exp. Stat. Misc. Publ. 21. 1951, 4 p., 4 fig.
- Garton, J. E.**, A graphic solution of agricultural field sprayer problems. Oklahoma agric. Exp. Stat. Misc. Publ. 19. 1951, 4 p., 2 fig.
- Garton, J. E.**, A graphic solution of airplane sprayer problems. Oklahoma agric. Exp. Stat. Misc. Publ. 20. 1951, 4 p., 2 fig.
- Garton, J. E.**, and **Morgan, M. J.**, Wear tests on pumps for agricultural field sprayers. Oklahoma agric. Exp. Stat. Bull. B-375. 1951, 7 p.
- Glerum, J. Ch.**, Spuitwerktuigen in de landbouw. (Spraying equipment in agriculture.) Inst. Landb. techn., Rational. Publ. 8. 1951, 36 p.
- Goossen, P.**, Pflanzenschutzgeräte auf der DLG-Ausstellung. Neue Mitt. Landw., Hannover, 6. 1951, 573—574, 8 Abb.
- Guillou, R.**, Adjustment of soil fumigant injectors with engine-driven pumps. Hawaii. Univ. agric. Ext. Circ. 305. 1951, 2 p.
- Guillou, R.**, Friction in spray hoses, pipes, and fittings. Hawaii. Univ. agric. Ext. Circ. 304. 1951, 4 p.
- Gunderson, H.**, and **Wolf, D. C.**, Age leaders can help; farmers will benefit when aerial sprayers become established. [pest control] Better Farming Methode 23. 1951, nr. 5, p. 52, 54—55.
- Hahn, E.**, Kombinierte Schwefel- und Nikotinvernehlungsapparate. Gartenwelt 51. 1951, 319, 2 Abb.
- Hansen, K.**, (Equipment for chemical treatment of seed grain and spraying and dusting of plants.) Nord. Jordbr.forskn. (danish) 2/3. 1951, 519—521.

- Heller, R. C.**, The use of aircraft and aerial photography in forest insect surveys. *Proc. ent. Soc. Washington* 53. 1951, 112—113.
- Helm, R. W.**, Equipment, methods and materials for spraying livestock. *Nebraska agric. Coll. Ext. E. Circ.* 1950 (rev.). 1951, 6 p.
- Hick, E.**, High- versus low-volume spraying. *Farm Mechaniz.* 3. 1951, nr. 21, p. 7—9.
- Hierholzer, O.**, Richtige Düsenwahl bei Verwendung von Spritzgiften. *Allg. Forstztzshr.* 6. 1951, 241.
- Hierholzer, O.**, und **Klausner, O.**, Düsenstudien als Beitrag zur Steigerung der Wirtschaftlichkeit chemischer Bekämpfungsmethoden im Walde. *Allg. Forst- u. Jagd-Ztg.* 123. 1951, 49—53.
- Hogan, T. W.**, The ground recovery and drop spectra of sprays dispersed from two types of aircraft. *Austr. J. agric. Res.* 2. 1951, 302—321.
- Holmès, F.**, Les facteurs limitant les progrès de la phytopharmacie. *Phytoma, Paris*, 4. 1951, nr. 31, p. 21—22, 1 fig.
- Holz, W.**, Geräte im Pflanzenschutz, hier Gespannspritzen. *Landw.bl. Weser-Ems* 28. 1951, 611—612.
- Hompeesch, H.**, Über die bakterizide Wirkung des Ultraschall und ihren Mechanismus. *Zentralbl. Bakt., I. Abt.*, 157. 1951, 130—137, 11 Abb.
- Jefferson, F. J.**, Machines and theories. *Fire Control Notes* 12. 1951, nr. 4, p. 12—14.
- Jovanić, M.**, (Quelques observations concernant le traitement aérien effectué dans le Banat du Nord contre les chenilles des noctuelles.) *Plant Prot., Beograd*, nr. 6—7. 1951, 101—104.
- Jung, K.-F.**, Neues aus der Pflanzenschutztechnik. *Dtsch. landw. Presse* 74. 1951, 289—290, 6 Abb.
- Jung, K.-F.**, Pflanzenschutzgeräte auf der Hamburger DLG-Ausstellung. *Kartoffelbau* 2. 1951, 143—146, 14 Abb.
- Jung, K.-F.**, Das Pflanzenschutzgerät für Lohnunternehmer und Genossenschaft. *Dreschen u. Pflügen* 6. 1951, nr. 9, p. 5—9.
- Kayser, E.**, Bessere Technik gegen zunehmende Schädlinge. *Schädlingsbekämpfung* 43. 1951, 147—150, 12 Abb.
- Kayser, E.**, Motorisierung und Schädlingsbekämpfung. *Schädlingsbekämpfung* 43. 1951, 177—179, 10 Abb.
- Keiding, J.**, Simple equipment and methods for use in insecticidal tests. *Stat. Skadedyrlab. Årsberetn. (dan.)* 1949/50. 1951, 31—35.
- Kerssen, M. C.**, Ervaringen met de spuitapparatuur van een helicopter Hiller 360. *Meded. Dir. Tuinbouw* 14. 1951, 169—173.
- Kirchberg, E.**, Ultraschall — eine neue Möglichkeit der Schädlingsbekämpfung? *Ztschr. hyg. Zool.* 39. 1951, 60—61.
- Knell, K., Kahl, E., Scheruga, F., und Beran, F.**, Verbesserte, motorbetriebene Pflanzenschutzspritze DK 202. *Österr. Landtechn.* 4. 1951, 126—127.
- Kogstad, K. J.**, (Practical mixing tank for sprays.) *Gartneryrket (norw.)* 41. 1951, 260—261.
- Kümmerle, W., Burger, W., und Peters, F.**, Zur Frage der Reinigung von Gefäßen, in denen mit hochwirksamen Kontakt-Insektiziden gearbeitet worden ist. *Anz. Schädli.kunde* 24. 1951, 170.
- Lattner, E. J.**, Sprayer sales questions answered. *Farm Impl. News* 72. 1951, nr. 12, p. 36—37, 73—75.
- Lattner, E. J.**, Spraying pays; county agents answer many sales questions in third annual sprayer survey. *Farm Equipm. Retailing* 12. 1951, 20, 54, 56, 58.
- Latner, E. J.**, Trends in low-gallonge, low-pressure spraying. *Impl. Rec.* 48. 1951, nr. 11, p. 29—30, 32.
- Maan, W. J.**, Het gebruik van vliegtuigen in de land- en tuinbouw. (The use of aeroplanes in agriculture and horticulture.) *Meded. Dir. Tuinbouw* 14. 1951, 586—596, 6 fig.
- Maan, W. J.**, Plantenziektenbestrijding met behulp van vliegtuigen. (Plant disease control with the aid of aircraft.) *Maandbl. Landbouwvoorl.dienst* 8. 1951, 104—112, 5 fig.
- Mansfeld, K.**, Erfahrungen mit Habichtsatrappen als Vogelscheuchen. *Anz. Schädli.kunde* 24. 1951, 74—75, 2 Abb.
- Marke, D. J. B., and Lilly, C. H.**, Smoke generators for the dispersion of pesticides. *J. Sci. Food, Agric.* 2. 1951, nr. 2, p. 56—65, 7 fig.
- Marshall, J.**, Nozzle abrasion in orchard spray applicators. *Sci. Agric., Ottawa*, 31. 1951, 470—474.
- Masuda, Y., Ueda, Y., and Shimizu, I.**, (Motor dusting and aerosol application of insecticides.) *Oyo-Kontyu, Tokyo*, 7. 1951, 86—87 (Abstr.).
- Mauch, A.**, Der Schlepper als Obstbaumspritze. *Neue Mitt. Landw., Hannover*, 6. 1951, 242.
- Mauch, A.**, Welche Düsenplättchen verwende ich beim Spritzen? *Mitt. Mitgl. Obstbauvers.ring Altes Land usw.* 6. 1951, 47.
- Medler, J. T., and Barrow, M.**, Performance of gear pumps with wettable powder and emulsion sprays. *J. econ. Ent.* 44. 1951, 1003—1004, 2 fig.
- Mehl, S.**, Anleitung zum Selbstherstellen von Rattenfallen. *Pflanzenschutz, München*, 3. 1951, 57—64, 9 Abb.
- Meisakhovich, I. A.**, (Sprayers for pneumatic smoke producers.) *Vsesoiuzn. Akad. Sel'skhoz. Nauk Dokl.* 16. 1951, nr. 4, p. 31—36.

- Mendizabal, M.**, Applicazioni della ultrafrequenza alla fitopatologia. 1. Conf. int. Lutte contre Parasites Plantes 3.—6. 10. 1950 Rom. 1951, 415—419.
- Miller, J. M., and Isler, D. A.**, Dual spray equipment for airplane spraying tests. U.S. Dept. Agric., Agric. Res. Admin. Bur. Ent., Plant Quar. ET-294. 1951, 4 p.
- Milner, M., Lee, M. R., and Katz, R.**, Radiography applied to grain and seeds. [for detection of insect infestation] Food Technol. 5. 1951, 12 (Abstr.).
- Milosavljević, R.**, (Bref aperçu sur le développement des traitements aériens antiparasitaires.) Plant Prot., Beograd, nr. 6—7. 1951, 8—9.
- Moberg, H. A.**, Moderna växtskyddsredskap och deras användningsmöjligheter i de nordiska länderna. Moderna växtskyddsmaskiner. (Modern plant protection equipment and the possibilities for its application in the Scandinavian countries. Modern plant protection machines.) Nord. Jordbr.forskn., København, 1951, 514—518.
- Moore, T.**, A home made selective weedkiller sprayer. J. Sports Turf Res. Inst. 8. 1951, 84—86.
- Mori, H.**, (On the insecticidal method with warming and reduced air pressure.) Oyo-Kontyu, Tokyo, 7. 1951, 60.
- Morison, G. A.**, Our experience with the liquid duster. J. New Hampshire hortic. Soc. 14. 1951, 98—105.
- Nagasawa, S.**, (What is the best carrier for DDT dust?) Oyo-Kontyu, Tokyo, 7. 1951, 87.
- Newhall, A. G., and Gunkel, W. W.**, A duster for row application of fungicide and/or insecticide at the time of sowing seeds. Plant Dis. Repr. 35. 1951, 219—220, 2 fig.
- Newhall, A. G., and Schroeder, W. T.**, A new soil pasteurizer. Co. Agent, Vo-Ag Teacher 7. 1951, nr. 3, p. 13, 33.
- Nonveiller, G.**, Današnja situacija razvoja aviometeode. (The present-day position of the development of aero-methods.) Plant Prot., Beograd, 1951, nr. 6—7, p. 10—29, 4 tab.
- Page, G. E.**, Weed spraying equipment. Oregon agric. Exp. Stat. Bull. 493. 1951, 24 p.
- Peretz, J.**, (Sprayer and spraying efficiency.) Hassadeh (hebr.) 31. 1951, 514—515.
- Pesaro, A.**, (Sprayers.) Agr. Ferrarese 55. 1951, 81—83.
- Pont, M. A.**, L'appareillage d'épandage des produits phytosanitaires. 1. Conf. int. Lutte contre Parasites Plantes 3.—6. 10. 1950 Rom. 1951, 116—124.
- Potts, S. F.**, Application of concentrated spray with hand equipment. U.S. Dept. Agric., Agric. Res. Adm., Bur. Ent., Plant Quar. E-824. 1951, 6 p.
- Pozzi, E.**, (Means, methods and equipment to control plant enemies.) Cent. Studi Per Ingegn. Agr. Mem., Atti 6. 1951, 38—47.
- Prokopenko, S. F.**, (Utilization of OK-5,0 sprayer in the field protecting tree plantations.) Les i Step³ (russ.) 3. 1951, nr. 6, p. 53—54.
- Prosser jr., D. S., Stearns jr., C. R., Griffiths, J. T., and Thompson, W. L.**, A protective canopy for tractor drivers. Florida agric. Exp. Stat. Circ. S-29. 1951, 6 p.
- Pushin, F. E.**, (Stirring devices for the preparation of tank mixtures in sprayers.) Sad i Ogorod (russ.) 2. 1951, 37—40.
- Rizzotti, A.**, (Improvement of spraying technique.) Agric. Venzie (ital.) 5. 1951, 651—673.
- Russell, J.**, Les pertes alimentaires mondiales dues aux parasites et maladies des plantes cultivées. Phytoma, Paris, 4. 1951, nr. 29—30, p. 9—12, 6 fig.
- Sabatini, F. L.**, The work of the British Agricultural Contractors Assoc.: the National Spraying Committee. Agric. Mach. J. 5. 1951, nr. 5, p. 40.
- Santini, C.**, (Control of parasites and mechanical measures.) Italia agric. 88. 1951, 596—610.
- Scharmer, J.**, Erfahrungen zur Maikäfer- und Kartoffelkäfer-Bekämpfung mit dem Sprüngerät. Mitt. Biol. Zentralanst., Berlin-Dahlem, H. 70: 1951, 104—107, 2 Abb.
- Schindler, U.**, Über den Einsatz von Rückenspritzen in den nordwestdeutschen Forstrevieren. Forst u. Holz 6. 1951, 185—188.
- Schober, K.**, Österreichische Maschinen und Geräte zur Schädlings- und Unkrautbekämpfung im Feldbau. Landwirtschaft 1951, 192—195.
- Schoch, G.**, Interessantes Anbau-Baumspritzgerät. Techn. Bauern, Gärt. (Ausg. A) 3. 1951, 99—100.
- Schumacher, G.**, Anforderungen an Pflanzenschutzgeräte und ihr derzeitiger Stand. Mitt. Biol. Zentralanst., Berlin-Dahlem, H. 70. 1951, 27—32.
- Schumacher, G.**, Die Anforderungen, die an Pflanzenschutzgeräte gestellt werden müssen, und der derzeitige Stand derselben. Ztschr. Pfl.krankh. 58. 1951, 96—100.
- Schumacher, G.**, Stand der Pflanzenschutzgeräte-Technik. Gesunde Pflanzen 3. 1951, 85—87.
- Sherman, R. W.**, Insect control on aircraft. Soap, sanit. Chem. 27. 1951, nr. 8, p. 122—123, 125, 127.
- Skodvin, K.**, (Spraying talk.) Gartneryrket (norw.) 41. 1951, 288—290.
- Sowers, G.**, New developments in spray machinery. Trans. Indiana hortic. Soc. 89 (1949). 1951, 35—37.
- Starnes, O., Reed, J., and Fulmer, R. S.**, An improved soil fumigant applicator. Down to Earth 7. 1951, nr. 1, p. 8.
- Stobwasser, H., and Welte, E.**, Heißgasnebelgeräte bei der Maikäferbekämpfung. Gesunde Pflanzen 3. 1951, 244—247, 2 Abb.
- Stoy, O.**, (New methods of spraying.) Sver. pomol. För.fruktodlaren 5/6. 1951, 140—143.

- Taylor, C. S.**, Assuring adequate spraying equipment. Sheep, Goat Raiser 31. 1951, nr. 11, p. 60—61.
- Taylor, J. G., Deay, H. O., and Orem, M. T.**, Some engineering aspects of electric traps for insects. Agric. Engin. 32. 1951, 496, 498.
- Thorsrud, J.**, (Moveable sprayers.) Frukt og Baer 4. 1951, 23—32.
- Urban, H.**, Neue Wege in der Pflanzenschutztechnik. Traktor 2. 1951, 254.
- Urquijo Landaluze, P., y Rodriguez Sardiña, J.**, Utilidad de la fotografía con luz infrarroja y ultravioleta en fitopatología. (The usefulness of infrared and ultraviolet photography in phytopathology.) Bol. Pat. veg. Ent. agric., Madrid, 18 (1950). 1951, 29—40, 13 fig.
- Van Bommel, P. M.**, Cursus sproeimachines. I, II. Landbouwmecanisatie 203. 1951, 74—77, 117—123.
- Vasić, K.**, (Sur la possibilité de l'emploi des aérosols dans la lutte contre les chenilles d'Euxoa temera Hb. (Noctuidae, Agrotinae). Plant Prot., Beograd, nr. 6—7. 1951, 75—79.
- Viel, M.**, Les traitements insecticides par voie aérienne. Phytoma, Paris, 4. 1951, nr. 31, p. 9—16, 9 fig.; nr. 32, p. 21—25, 3 fig.
- Webb, E. G.**, Farm sprayer operation. Farmer's Mag. 48. 1951, nr. 4, p. 64, 66.
- Wichers, P. J.**, (Cost of disease control; motor spraying and mist spraying.) Fruitteelt Dec. 1951, 897—899.
- Winterberg, M.**, Der Schwefel-Vernebelungsapparat »Sulfurator«. Gartenwelt 51. 1951, 320.
- Witte, K.**, Zur Frage der Frostabwehr durch Beregnung. Saarl. Bauernbl. 5. 1951, 87.
- Woelfle, M.**, Maikäferbekämpfung mit modernen Geräten. Anz. Schädl.kunde 24. 1951, 182—183.
- Wood, W. S., and Oates, W. J.**, A general purpose farm sprayer. Oklahoma agric. Exp. Stat. Bull. B-363. 1951, 14 p.
- Yuill, J. S., Eaton, C. B., and Isler, D. A.**, Airplane spraying for forest pest control. U.S. Dept. Agric. Bur. Ent., Plant Quar. E-823. 1951, 21 p.
- Zimmermann, G.**, Geeignete Pflanzenschutzgeräte sichern den Erfolg. Landw. Wochenbl. Kurh., Waldeck 166. 1951, 129, 132.
- Živojinović, S.**, (Rôle of aircraft in gypsy moth control in 1947—1950.) Plant Prot., Beograd, nr. 6—7. 1951, 42—63, 4 tab.
- Aerial crop dusting and spraying: a synopsis of lectures in the short course given at Yakima, Washington, Perry Institute, February 12—17, 1951. Washington (State) Stat. Coll., Inst. agric. Sci., 1951, 87 p.**
- Air applicator information series. [spraying by aircraft] Air-Applic. Inst., Portland (Ryan), 1951.**
- Bedingungen für die amtliche Prüfung von Pflanzenschutz- und Vorratsschutzgeräten. Biol. Bundesanst., Braunschweig, Flugbl. A 5. 1951, 4 S.**
- [Bibliographie der Flugzeugverwendung in Jugoslawien.] Plant Prot., Beograd, nr. 6—7. 1951, 181.**
- Demonstration of spraying machinery. Gard. Chron. 130. 1951, 40.**
- Draagbaar toestel voor het bestrijden van insecten en andere schadelijke organismen door besproeiing. Octrooi 671111. 15. 1. 1951.**
- Electricity's possibilities in the conquest of pests. Farmer's Weekly 1951, nr. 9.**
- Experimental agricultural aircraft. Shell Aviation News, London, 1951, 18—19, 2 fig.**
- Helicopter handy bird for ticklish jobs. Timber Canada 11. 1951, nr. 11, p. 46.**
- How to win the battle of the bugs, with complete instructions for operating and cleaning the Hayes spray gun. Hayes Spray Gun Co., Pasadena (Calif.), 1951, 15 p.**
- Hubschrauber im Kampf gegen Schädlinge. Landw. Ztschr. Nord-Rheinprov. 118. 1951, 664, 1 Abb.**
- Inrichting voor het produceren van een wolk van poeder, bestaande uit deeltjes, welke ten opzichte van de aarde een elektrische lading hebben. Octrooi nr. 671114. 15. 1. 1951.**
- Insektenmittel werden elektrisch geladen. Amerika-Dienst (U.S. Feature Serv.), Landwirtschaft IV, 1951, Nr. 2/A, S. 13.**
- Ein interessantes Dispergiergerät für die Herstellung von Schädlingsbekämpfungsmitteln. Schädlingsbekämpfung 43. 1951, 110, 1 Abb.**
- Mechanisierte Schädlingsbekämpfung. [Spritzen] Landmasch.-Markt 30. 1951, Nr. 18, S. 6—8.**
- Spraying venture. Farmer and Stock-Breeder 65. 1951, nr. 3205, p. 45.**
- Welche leistungsfähige große Zapfwellenspritze steht uns zur Verfügung? Mitt. Mitgl. Obstbauvers.ring Altes Land usw. 6. 1951, 147—148, 3 Abb.**
- e. Schädigungen durch Pflanzenschutzmittel**
Damages by plant parasiticides
Dégâts provoqués sur les plantes par des parasitiques
- Ammann, E.**, Die chemische Maikäferbekämpfung und ihre Gefahren für die Fischgewässer. Schweiz. Fischerei-Ztg. 59. 1951, 143—149, 1 Abb.
- Anderson, L. D., and Gunther, F. A.**, Sampling techniques for determination of DDT residue on sweet corn. J. econ. Ent. 44. 1951, 1008—1010.

- Bailey, St. F., and Smith, L. M., Toxicity hazards. I. [chemicals] Agric. Chem. 6. 1951, nr. 5, p. 35—37, 109—111.
- Barnes, J. M., The toxicity of the new organic-phosphorus insecticides towards mammals. Proc. 2nd int. Congr. Crop Prot. 1949. 1951, 14—15.
- Bartlett, B. R., The action of certain «inert» dust materials on parasitic Hymenoptera. J. econ. Ent. 44. 1951, 891—896.
- Becker-Bonn, Pflanzenschutzmittel und Blütezeit. Landw. Ztschr. Nord-Rheinprov. 118. 1951, 320—321.
- Becker, K., Rattenbekämpfung und Tierschutz. Schädlingsbekämpfung 43. 1951, 199.
- Benton, A. H., Effects on wildlife of DDT used for control of Dutch elm disease. J. Wildlife Managt. 15. 1951, 20—27.
- Berck, B., and Smallman, B. N., Loss of DDT residues in box cars carrying flour. Cereal Chem. 28. 1951, 317—324, 1 fig.
- Bettini, S., Studio sull'azione dei prodotti antiparassitari e della loro tossicità sull'uomo e gli animali. (Untersuchung über die Wirkung antiparasitärer Produkte und ihre Giftigkeit auf Mensch und Tiere.) 1. Conf. int. Lutte contre Parasites Plantes 3.—6. 10. 1950 Rom. 1951, 125—134. — Ist. Super. Sanita, Rend., 14. 1951, 91—102.
- Biddulph, C., Greenwood, D. A., Harris, L. E., Draper, C. I., Bateman, G. Q., Madsen, L. L., Binns, W., Miner, M. L., Sorenson, C. L., and Lieberman, F. V., Toxicity of DDT and methoxychlor. Farm, Home Sci. 12. 1951, 45, 55—56, 64.
- Bidstrup, P. L., The health hazards of dinitro-ortho-cresol. Int. Congr. Crop Prot. Proc. 2 (1949). 1951, 23—25.
- Bidstrup, P. L., and Payne, D. J. H., Poisoning by dinitro-ortho-cresol; report of eight fatal cases occurring in Great Britain. Brit. med. J. 4722. 1951, 16—19.
- Bishopp, F. C., Hall, D. G., and Crom, R., Do insecticides endanger your health? U.S. Dept. Agric., Off. Inform., 1951, 3 p.
- Böttcher, F. K., Bienenungefährliche Pflanzenschutzmittel. Umschau 51. 1951, 599.
- Böttcher, F. K., Die Gefährdung der Bienen durch den Pflanzenschutz. Ztschr. angew. Ent. 33. 1951, 348—358.
- Breen, G. E., The use of chemicals in growth and processing of foodstuffs, a new hazard of unknown dimensions. [toxicity of DDT and DNOC] Mother Earth 5. 1951, nr. 4, p. 35—40.
- Brieskorn, C. H., Über die Einflußnahme einiger neuerzeitlicher Schädlings- und Unkrautbekämpfungsmittel auf unsere Lebensmittel. Ztschr. Lebensm.-Untersuch. u. -Forsch. 93. 1951, 292—298.
- Carpenter, C. P., Weil, C. S., and Smith jr., H. F., Toxicity of an imidazoline (or glyoxalidine) fungicide. Arch. ind. Hyg., occup. Med., Baltimore, 4. 1951, 494—503.
- Cohrs, P., Tierversuchungen durch Obstbaumspritzmittel. (Tierversuche.) Mitt. Mitgl. Obstbauvers.ring Altes Land usw. 6. 1951, 184—185.
- Conley, B. E., The pharmacology and toxicology of several newer chlorinated hydrocarbon insecticides. Chicago Univ. Thesis 1951, 66 p.
- Coon, J. M., Hazards involved in pesticide application. [insecticides] Agric. Chem. 6. 1951, nr. 3, p. 53—55.
- Cooper, B. A., Beekeeping and agricultural sprays. Yearb. Lincolnshire Beekeep. Assoc. 1950—51. 1951, 17—28.
- Coper, H., Herken, H., and Klempau, J., Zur Pharmakologie und Toxikologie chlorierter Cyclohexane. Arch. exp. Path., Pharmacol. 212. 1951, 463—471.
- David, A., Hartley, G. S., Heath, D. F., and Pound, D. W., Studies on commercial octamethylpyrophosphoramide (Schradan). II. Determination of toxic residues. J. Sci. Food, Agric., London, 2. 1951, 303—314.
- Davidow, B., Hagan, E. C., and Radomski, J. L., A metabolite of chlordane in tissues of animals. Fed. amer. Soc. exp. Biol. Fed. Proc. 10 (1, pt. 1). 1951, 291 (Abstr.).
- Del Rivero, J. M., Los insecticidas y la abejas. Siembra, Madrid, 7. 1951, nr. 11, p. 3—5.
- De Wilde, J., (Bees and insecticides.) Tijdschr. Ent. 93 (1950). 1951, T10—T16.
- Diggle, W. M., and Gage, J. C., Cholinesterase inhibition by parathion in vivo. Nature, London, 168. 1951, 998.
- Downing, G., and Norton, L. B., Modification of Schechter method of estimating DDT residue. Analyst. Chem. 23. 1951, 1870—1871.
- Eddy, G. W., Aminophenols as antioxidants for pyrethrum. J. econ. Ent. 44. 1951, 109—111.
- El-Zohery, M. S., Toxicity tests of Gammexane and DDT. [animals] Int. Congr. Crop Prot. Proc. 2 (1949). 1951, 128—133.
- Emrich, Rattenbekämpfung und Tierschutz. Tierfreund Nr. 2. 1951, 5—7.
- Evans, R. B., Protection against agricultural dust hazards. [insecticides, fungicides, weedcides, fertilizers] Agric. Chem. 6. 1951, nr. 12, p. 34—35, 111—113.
- Ext, W., Pflanzenschutz ohne Bienenschädigung! Bauernbl. Schlesw.-Holst. 5./101. 1951, 207—208.
- Fahey, J. E., and Rusk, H. W., Determination of DDT residues on corn. Anal. Chem. 23. 1951, 1826—1829, 1 fig.

- Fenjves, P.**, Los insecticidas agrícolas modernos, sus beneficios y sus peligros. Vida Rur., Caracas, 12. 1951, nr. 9, p. 16—20.
- Fjeldaldalen, J.**, (Are all insecticides poisonous to humans? A valuation of the toxicity of insecticides used against pests of fruit and berries.) Frukt og Bear (norw.) 4. 1951, 13—22.
- Fortushnyi, V. A.**, and **Gladenko, I. N.**, (Testing toxicity of benzene hexachloride on warm-blooded animals.) Ukrain. Inst. Eksper. Vet. Nauch. Trudy 18. 1951, 257—269.
- Fraser, A.**, Poisoning England at the roots? [toxicity of insecticides and factors affecting the balance of nature] Farmers Weekly, London, 35. 1951, nr. 5, p. 47, 49.
- Fühner, H.**, Medizinische Toxikologie. Lehrbuch für Ärzte, Apotheker und Chemiker. G. Thieme Verlag, Stuttgart 1951. 3. Aufl., XI + 251 S.
- Fulton, R. A.**, **Konecky, M. S.**, and **Smith, F. F.**, Determining the efficiency of respiratory cartridges and gas-mask canisters against dusts and sprays. U.S. Dept. Agric. Bur. Ent., Plant Quar. E-830. 1951, 6 p.
- Gatineau, M.**, Essais de toxicité du toxaphène sur pigeons et coqs. Ann. Épiphyties (Ann. Inst. nat. Rech. agron. sér. C), Paris, 2. 1951, 396—398, 2 fig.
- Gatineau, M.**, Toxicité relative de l'HCCH, du SPC et du DDT à l'égard des têtards de grenouille rousse, Rana temporaria L. Ann. Épiphyties (Ann. Inst. nat. Rech. agron. sér. C), Paris, 2. 1951, 392—393, 1 fig.
- Geissler, H.**, Über Schäden im Anschluß an die Verwendung von Hexachlorocyclohexanpräparaten und über die Vermeidung solcher Schäden. [an Haustieren, Fleisch, Milch] Dtsch. tierärztl. Wochenschr. 58. 1951, 97—98.
- Giban, J.**, et **Hatt, P.**, Toxicité du sulfure de polychlorocyclane (S. P. C.) à l'égard de quelques oiseaux. Ann. Épiphyties (Ann. Inst. nat. Rech. agron. sér. C), Paris, 2. 1951, 391—392.
- Giban, J.**, et **Saint-Leger, L.**, Toxicité du chlordane technique à l'égard du rat blanc et de la poule. Ann. Épiphyties (Ann. Inst. nat. Rech. agron. sér. C), Paris, 2. 1951, 393—395.
- Giban, J.**, **Saint-Leger, L.**, **Aubry, J.**, et **Hatt, P.**, Toxicité de l'hexachlorocyclohexane (H.C.H.) à l'égard de quelques oiseaux. Ann. Épiphyties (Ann. Inst. nat. Rech. agron. sér. C), Paris, 2. 1951, 389—391, 2 fig.
- Graeve, K.**, und **Herrnring, G.**, Über die Toxizität des Gamma-Hexachlorocyclohexan. Arch. int. Pharmacodyn., Thérapie 95. 1951, 64—72.
- Graf, E.**, Bienentod durch Rapsbespritzung. Schweiz. Bienen-Ztg. 74. 1951, 66—67.
- Guilleaume, A.**, Nouveaux essais de traitements antiparasitaires de cultures de crucifères à l'aide d'insecticides sélectifs ne détruisant pas les abeilles. Compt. rend. Acad. Agric. France 37. 1951, 114—116.
- Gunther, F. A.**, **Blinn, R. C.**, **Kolbezen, M. J.**, **Barkley, J. H.**, **Harris, W. D.**, and **Simon, H. S.**, Microestimation of 2-(p-tert-butylphenoxy) isopropyl-2-chloroethyl sulfite residues. Analyt. Chem. 23. 1951, 1835—1842.
- Hadaway, A. B.**, und **Barlow, F.**, (Aufnahme fester Insektizide durch eingetrockneten Schlamm.) Nature, London, 167. 1951, 854.
- Hahn, S.**, Unerwünschte Nebenwirkungen der biologischen und chemischen Schädlingsbekämpfung in Land- und Forstwirtschaft. Schädlingsbekämpfung 43. 1951, 7—11.
- Harukawa, C.**, **Utida, S.**, **Nisikawa, Y.**, **Kiyoku, M.**, **Kondo, T.**, **Yosida, M.**, and **Suzuki, N.**, (Insecticidal action of volatile compounds. Toxicity and action of gaseous insecticides (3rd report).) Botyu-Kagaku 16. 1951, 193—212.
- Harvey, D. G.**, **Bidstrup, P. L.**, and **Bonnell, J. A. L.**, Poisoning by dinitro-ortho-cresol; some observations on the effects of dinitro-ortho-cresol administered by mouth to human volunteers. Brit. med. J. 4722. 1951, 13—16.
- Havermann, H.**, und **Wachter, I.**, Vorläufige Ergebnisse von Versuchen über die Einwirkung von Schädlingsbekämpfungsmitteln auf die Leistungsfähigkeit der Hühner. Dtsch. Wirtsch. geflügelzucht 3. 1951, 588—590.
- Hecht und Wirth, W.**, Zur Pharmakologie der Phosphorsäureester. Arch. exp. Path., Pharm. 211. 1950, 264—277.
- Heldreth, H. E.**, Insecticides are poisonous! Farm Safety Rev. 9. 1951, nr. 2, p. 10—12.
- Heldreth, H. E.**, Use care with insecticides. Calif. Citogr. 36. 1951, 424—425. — Carolina Co-op. 29. 1951, nr. 4, p. 14—15.
- Herold, K.**, Über die Vergiftungsschäden in Bayern seit Mai 1950. Imkerfreund 6. 1951, 90—92.
- Herold, K.**, Vergiftungsschäden und Rechtshilfe des Landesverbandes bayer. Imker. Imkerfreund 6. 1951, 363—365.
- Hötte**, Aus dem Gerichtssaal und der Gesetzgebung. [Pflanzenschutzmittel-Schädigung bei Bienen] Hess. Biene 86. 1951, 238—239.
- Humperdinck, K.**, Gewerbliche Schädigung durch E 605? Med. Klinik, Wien, 46. 1951, 719—721.
- Jantzen, G.**, Beitrag zur Symptomatologie der E-605-Vergiftung des Menschen. Dtsch. med. Wochenschr. 76. 1951, 1601—1602.
- Jordan, R.**, Über Prüfen und Erproben von Milbenbekämpfungsmitteln. Österr. Imker 1. 1951, 227—231.
- Kadotschnikow, M. P.**, (Einfluß der chemischen Behandlung der feldschützenden Waldstreifen auf die Vögel.) (Zool. J.), Moskau, 30. 1951, 207—210.

- Kaeser**, Bienenschädigungen durch Pflanzenschutzmittel. Verhandl. dtsh. Ges. angew. Ent. 11. Mitgl.versammlg. München 2.—4. 10. 1949 (P. Parey, Berlin). 1951, 141—142.
- Kay, K.**, Health aspects of the new organic insecticides. Ontario ent. Soc. Ann. Rept. 81. 1951, 19—26.
— Agric. Inst. Rev. 6. 1951, 25—31.
- Kearns, H. G. H., and Morgan, N. G.**, An experimental »air flow« small volume sprayer and duster. Abridged specification. Ann. Rept. agric. hort. Res. Stat. Long Ashton (Bristol) 1950. 1951, 132—137, 2 tab.
- Kloft**, Ein biologischer Nachweis von Bienenvergiftungen mit den neuen Berührungsgiften. Imkerfreund 6. 1951, 222.
- Knedell, C.**, Spraying and wildlife. [insecticides] North Dakota Outdoors 14. 1951, nr. 6, p. 12—13, 15.
- Knowlton, G. F.**, Protect bees during fruit pest control operations. Utah State agric. Coll. Ext. M. S. 63. 1951, 1 p.
- Kobel, F.**, Vorsicht beim Gebrauch von Pflanzenschutzmitteln! Schweiz. Ztschr. Obst-, Weinbau 60. 1951, 246—249, 3 Abb.
- Könemann, E.**, Über Vergiftungsgefahren mit neuzeitlichen Kontaktinsektiziden. Bebaut die Erde 20. 1950—1951, 34.
- Krauss, J.**, Bienenzucht und Schädlingsbekämpfung. Verhandl. dtsh. Ges. angew. Ent. 11. Mitgl.versammlg. München 2.—4. 10. 1949 (P. Parey, Berlin). 1951, 137—141.
- Laug, E. P., Kunze, F. M., and Prickett, C. S.**, Occurrence of DDT in human fat and milk. Arch. ind. Hyg., occup. Med., Baltimore, 3. 1951, 245—246.
- Lehman, A. J.**, Chemicals in foods: a report to the Association of Food and Drug Officials on current developments. Assoc. Food, Drug Off. U.S. Quart. Bull. 15. 1951, 82—89.
- Leib, E.**, Pflanzenschutz und Bienenzucht. Saarl. Bauernbl. 5. 1951, 10.
- Leib, E.**, Vorsicht bei der Verfütterung von gebeiztem Getreide. Saarl. Bauernbl. 5. 1951, 91.
- Leiby, R. W.**, The facts about parathion; toxic to man — deadly to insects. Better Farming Methods 23. 1951, nr. 5, p. 38, 40.
- Leighton, R. E., Kuiken, K. A., and Smith, H. A.**, Effects of toxaphene on dairy cows. Texas agric. Exp. Stat. Progr. Rept. 1409. 1951, 5 p.
- Leighton, R. E., Kuiken, K. A., and Smith, H. A.**, Toxicological effects of toxaphene on dairy cows. J. Dairy Sci. 34. 1951, 503.
- Leppik, E.**, Pflanzenschutz — Bienenschutz — Insekten-schutz. Anz. Schädl.kunde 24. 1951, 161—165, 3 Abb.
- Loewel, E. L.**, Ist die Kurzvorblütenspritzung während der Bienenzeit nur mit bienenungefährlichen Mitteln vorgenommen worden? Mitt. Mitgl. Obstbauvers.-ring Altes Land usw. 6. 1951, 111—112.
- Loewel, E. L., and Stadlmann**, Übersicht über die Bienengefährlichkeit der im Spritzkalender des Obstbauversuchsrings des Alten Landes e. V. genannten Spritzmittel, zusammengestellt auf Grund der Versuche und Erfahrungen der letzten Jahre. Mitt. Mitgl. Obstbauvers.-ring Altes Land usw. 6. 1951, 51—52.
- Louis, R.**, Ist das E 605 tatsächlich so giftig? Obstbau 70. 1951, 10—11.
- McLaughlin, R. M.**, Toxicity of herbicides. Northeast. Weed Control Conf. Proc. 5 (sup.). 1951, 81—82.
- Maibach, E.**, Maikäferbekämpfung. Schweiz. Bienen-Ztg. 74. 1951, 411—413.
- Marcenac, N.**, Du danger des insecticides organiques de synthèse pour les mammifères domestiques. Compt. rend. Acad. Agric. France 37. 1951, 171—174.
- Marcus**, Nehmt Rücksicht auf die Bienen! Landw. Wochenbl. Kurh., Waldeck 166. 1951, 128.
- Martin, W. W.**, Treat farm chemicals with respect. [insecticides and herbicides] West. Farm Life 53. 1951, nr. 11, p. 3, 7.
- Masshardt, H.**, Zum Schutze der Bienen bei der Bespritzung der Maikäfer (Melolontha melolontha). Schweiz. Bienen-Ztg. 74. 1951, 121—123.
- Maurizio, A.**, Bienenschutz während der Maikäfer-Bekämpfungsaktionen 1951. Schweiz. Bienen-Ztg. 74. 1951, 144—145.
- Menke, H. F.**, Toxicity of some insecticides to Nomia melanderi and Apis mellifera. [on alfalfa] J. econ. Ent. 44. 1951, 624—625.
- Mertin, J. V.**, Pesticides; a review of their uses, properties and hazards. Austr. Dept. Health, Adelaide 1951. 123 p.
- Mohr, R. W., Telford, H. S., Peterson, E. H., and Walker, K. C.**, Toxicity of orchard insecticides to game birds in eastern Washington. Washington agric. Exp. Stat. Circ. 170. 1951, 22 p.
- Münchberg, P.**, Nochmals zur Chemie und Physiologie der Geruchs- und Geschmacksträger des technischen Hexachlorcyclohexans. Nachr.bl. dtsh. Pfl.schutzd., Braunschweig, 3. 1951, 168—173.
- Münchberg, P.**, Über Möglichkeiten, Grenzen und Gefahren des verstärkten Gebrauchs der synthetischen Berührungsgifte im Pflanzenschutz. Ztschr. angew. Ent. 32. 1951, 317—334.
- Neves, C. M. B.**, (Some unfavorable aspects in the use of organic synthetic insecticides.) Agros, Lisboa, 34. 1951, 211—234.
- Nietzke, G.**, U 46 und Bienenschäden. Anz. Schädl.-kunde 24. 1951, 168—169.

- Niklas**, Verordnung über bienenschädliche Pflanzenschutzmittel. Bad. landw. Wochenbl. 118. 1951, 264.
- Northen, R. T.**, Parathion poisoning, its symptoms and treatment. Bull. amer. Orchid Soc. 20. 1951, 531—532.
- Peter, K.**, Keine Rattengiftgefahren mehr! Tierfreund Nr. 2. 1951, 7—8.
- Planet, N.**, (The problem of poisoning by modern insecticides commonly used in agriculture.) Biológico, São Paulo, 17. 1951, 33—36.
- Plumb, J. L.**, A graphical calculator for the statistical analysis of toxicological assays. 9. int. Congr. Ent., Amsterdam, 1951, XIII, 4.
- Post, G.**, A study of aldrin insecticide: its effects on birds and other wildlife. Wyoming Wild Life 15. 1951, nr. 9, p. 4—9, 32—36.
- Princi, F.**, and **Spurbeck, G. H.**, A study of workers exposed to the insecticides chlordan, aldrin, dieldrin. Arch. ind. Hyg., occup. Med., Baltimore, 3. 1951, 64—72.
- Radeleff, R. D.**, New insecticides and you — the rancher. Sheep, Goat Raiser 31. 1951, nr. 8, p. 56—57.
- Raucourt, M.**, La dénaturation par coloration des produits toxiques utilisés en agriculture. Phytoma, Paris, 4. 1951, nr. 27—28, p. 27—30.
- Reich, H.**, Hühnerhaltung und Obstbaumspritzung. Mitt. Mitgl. Obstbauvers. ring Altes Land usw. 6. 1951, 161—163.
- Reichmuth, W.**, Über die Toxizität der Rattenvertilgungsmittel Muritan und Rumetan für Hunde. (Bemerkungen zur Arbeit G. Ballhaus und D. Krause.) Dtsch. tierärztl. Wochenschr. 58. 1951, 220—221.
- Robbins, C. S.**, **Springer, P. F.**, and **Webster, C. G.**, Effects of five-year DDT application on breeding bird population. J. Wildlife Managem. 15. 1951, 213—216.
- Robinson, F. A.**, Safeguard honeybee pollinators by careful use of insecticides. Florida agric. Exp. Stat. Circ. S-26. 1951, 4 p.
- Roegner-Aust, S.**, Über die Wirkung der neuen Kontaktinsektizide auf Fische. Verhandl. dtsch. Ges. angew. Ent. 11. Mitgl. versamlg. München 2.—4. 10. 1949 (P. Parey, Berlin). 1951, 129—136.
- Rogge, W.**, DDT-Vergiftungen bei Geflügel. Schädlingsbekämpfung 43. 1951, 200.
- Salkeld, E. H.**, A toxicological and histophysiological study of certain new insecticides as »stomach poisons« to the honey bee *Apis mellifera* L. [tests with lead arsenate, parathion, and DDT preparations] Canad. Ent. 83. 1951, nr. 2—3, p. 39—52, 53—61.
- Schifferli, A.**, Über die Maikäferbekämpfung mit neueren Insektiziden und deren Auswirkung auf die freilebende Tierwelt. Ornith. Beobachter 48. 1951, Nr. 1, S. 2—15.
- Schmidt, F. A.**, Imkerschutz gegen bienenschädliche Pflanzenschutzmittel. Hess. Biene 87. 1951, 12.
- Schubert, A.**, Bienenzucht und Vogelschutz. Unser Wald 4. 1951, nr. 6, p. 3—4.
- Siegrist, H.**, Ist die Möhrenfliegenbekämpfung mit Chlordan-Präparaten bedenkenlos? [Psila rosae] Mitt. schweiz. ent. Ges. 24. 1951, 204.
- Simmons, S. W.**, Health hazards of economic poisons and related substances. [insecticides, fungicides, rodenticides] Amer. J. trop. Med. 31. 1951, 514—518.
- Spiotta, E. J.**, Aldrin poisoning in man, report of a case. Arch. ind. Hyg., occup. Med., Baltimore, 4. 1951, 560—566.
- Stolze, K. V.**, und **Blaszyk, P.**, Zur Frage der Vermeidung von Bienenschäden bei der Bekämpfung des Kohlschotenrüßlers (*Ceutorrhynchus assimilis* Payk.). Nachr. bl. dtsch. Pfl. schutzd., Braunschweig, 3. 1951, 73—76.
- Strohmeyer, G.**, Zur Frage der Nebenwirkung chemischer Schädlingsbekämpfungsmittel im Walde. Forstl. Mitt. 4. 1951, 122.
- Stute, K.**, Untersuchungsarbeit bei Bienenvergiftungen. Südwestdtsch. Imker 3. 1951, 258—261.
- Taylor, H.**, Toxicity of insecticides to mammals and its evaluation. Int. Congr. Crop Prot. Proc. 2 (1949). 1951, 428—432.
- Tod, H.**, Follow the instructions; the merits and dangers of some new insecticides. Power Farming Austr., New Zeal. 60. 1951, nr. 6, p. 69.
- Van der Laan, P. A.**, Het gevaar van toepassing van enige phosphorverbindingen als insecticide in de landbouw in Indonesië. (Hazards in the application of organic phosphate compounds in agriculture in Indonesië.) Bergcultures 20. 1951, 57—61. — Landbouw 23. 1951, 108—110. — Econ. Weekbl. Indonesië 17. 1951, 182. — Warta Ekonomi 4. 1951, 102.
- Van der Laan, P. J.**, (Effects of diet on toxicity of flour treated with nitrogen trichloride.) (Dutch.) Voeding 12. 1951, 281.
- Warrick, L. F.**, Blitz on insects creates water problems. [toxicity of insecticides to fish] Ind. Waste Conf. Proc. 6. 1951, 455—463.
- Weaver, N.**, Toxicity of organic insecticides to honey bees: contact spray and field tests. J. econ. Ent. 44. 1951, 393—397, 2 fig.
- Weber, A.**, Vermeidung von Bienenschäden. Neue Mitt. Landw., Hannover, 6. 1951, 242.
- Webster, R. L.**, New insecticides: their use, limitations and hazard to human health. Washington agric. Exp. Stat. Circ. 64 (rev.). 1951, 67 p.
- Wiesmann, R.**, Über einen biologischen Nachweis von Bienenvergiftungen mit den neuen synthetischen Kontaktinsektiziden. Mitt. Biol. Zentralanst., Berlin-Dahlem, H. 70. 1951, 107—108.

- Wiesmann, R.**, Über einen biologischen Test zum Nachweis und zur Bestimmung von synthetischen Kontaktinsektiziden bei Bienenvergiftungen. *Ztschr. Pfl.krankh.* 58. 1951, 161—171, 3 Abb.
- Wilhelmi, G.**, and **Domenjóz, R.**, Therapeutische Möglichkeiten bei der Parathion-Vergiftung. *Arch. int. Pharmacodyn., Thérapie* 86. 1951, 321—334.
- Zeitler, H.**, Gesarol oder Bienen. *Carnika-Züchterring* 3. 1951, 60—61.
- Ziv, S.**, (Damage by spray and dust preparations.) *Hassadeh (hebr.)* 31. 1951, 173—174.
- Zuckerman, S.**, Toxic chemicals in agriculture. Report to the minister of agriculture and fisheries of the working party on precautionary measures against toxic chemicals used in agriculture. *H. M. Stat. Off., London* 1951. III+16 p.
- Zygankow, S. K.**, (Die Isolierung der Bienen in Beuten (= Einsperrung) bei der Durchführung der chemischen Behandlung der Baumwolle.) *Pschelowodstwo (russ.)* 1951, nr. 12, S. 35—36.
- Zygankow, S. K.**, (Schutz der Bienen vor Schäden bei der chemischen Behandlung der Baumwolle.) *Pschelowodstwo (russ.)* 1951, nr. 11, S. 45—46.
- AAEE** discusses toxicological problems of insecticides. *Agric. Chem.* 6. 1951, 51—53, 83—85.
- Gegen die Sperlingsbekämpfung mit Giftweizen.** Auch Singvögel werden in Mitleidenschaft gezogen. »*Rheinpfalz*« Nr. 3. 1951, 3.
- Hazards and precautions in the use of insecticides.** *Cotton Insect Control Conf., Memphis, Acco Press* 29. 1951, nr. 3, p. 20—21.
- Mise en garde concernant l'utilisation des produits à base d'Hexa et de Chlordane.** *Rev. rom. Agric., Vitic., Arboric.* 7. 1951, 79.
- Notes on safety in insecticide use.** *Agric. Chem.* 6. 1951, nr. 12, p. 85.
- Report of research panel to study current research and research needs in the field of toxicity of insecticides, fungicides, and herbicides.** *U. S. agric. Res. Admin., Washington* 1951, 59 p.
- Respiratory devices for protection against inhalation hazards of dusts, mists and low vapor concentrations of certain insecticides.** *U. S. Dept. Agric. Bur. Ent., Plant Quar.* 1951, 3 p.
- A statement on the health hazards of thermal generators as used for the control of flying insects.** *U. S. Interdept. Comm. Pest Control, Washington*, 1951, 1 p.
- Toxic spray safety rules.** *Farmers-Weekly* 34. 1951, nr. 8, p. 41.
- Unkraut-Hormone** (2,4-D-Präparate, z. B. U 46) ungefährlich für die Bienenhaltung! *Mitt. Mitgl. Obstbauvers.ring Altes Land usw.* 6. 1951, 170.
- Vergiftungsschäden durch DDT-Präparate in Skandinavien.** *Anz. Schädll.kunde* 24. 1951, 80.
- Zur Maikäferbekämpfung.** [Schäden durch Insektizide] *Vögel der Heimat* 21. 1950/51, 121—126.
- ### 3. Förderung und Organisation des Pflanzenschutzes
- #### Advancement and organization of the plant protection
- #### Avancement et organisation de la protection des plantes
- Alexandri, A.**, Protecția plantelor cultivate și organizația fitopatologică în Republica Populară Română. *Congr. int. Fitopat., Ent., Prot. Plant., Bucuresti* (25. 7. — 4. 8. 1949), 2. 1951, 69—80.
- Beran, F.**, 50 Jahre österreichischer Pflanzenschutz 1901—1951. Der Aufbau des österreichischen Pflanzenschutzdienstes 1945—1951. *Bundesanst. Pfl.schutz, Wien, Tätigk.ber.* 1945—50. 1951, 232 S., zahlr., z. T. farb. Taf.
- Bickel, E.**, Die britische Pest Control-Ltd.; ihre Organisation, Arbeitsweise und Leistungen. *Schädlingssbekämpfung* 43. 1951, 167—169, 4 Abb.
- Böning, K.**, Pflanzenschutz-Institute in Italien. *Pflanzen-schutz, München*, 3. 1951, 69—73, 9 Abb.
- Casalini, M.**, La cooperazione nella lotta contro le malattie delle piante nelle piccole aziende. 1. *Conf. int. Lutte contre Parasites Plantes* 3.—6. 10. 1950 *Rom.* 1951, 251—253.
- Casalini, M.**, La diffusione dell'istruzione nell'ambiente rurale per la difesa contro i parassiti delle piante. 1. *Conf. int. Lutte contre Parasites Plantes* 3.—6. 10. 1950 *Rom.* 1951, 248—250.
- Clivio, C.**, (Example of organization in control of parasites.) [insect control program in Italy] *Boll. Agric. (ital.)* 85. 1951, nr. 31, p. 1—2.
- Drees, H.**, Aufgaben und Ziele des Pflanzenschutzes. *Mitt. Biol. Zentralanst., Berlin-Dahlem*, H. 70. 1951, 7—10.
- Evstropov, I. I.**, Situația actuală a răspândirii dăunătorilor și boalelor plantelor cultivate și a măsurilor de combaterea lor în U. R. S. S. *Congr. int. Fitopat., Ent., Prot. Plant., Bucuresti* (25. 7.—4. 8. 1949), 2. 1951, 81—90.
- Ext, W.**, Ihr Pflanzenschutzamt und seine Aufgabe. *Kartoffelbau* 2. 1951, 93—94, 1 Abb.
- Glen, R.**, Trends in research in the division of entomology (department of agriculture, Canada). *Canad. Ent.* 83. 1951, 62—68.

- [Goidánich], G., L'organizzazione fitopatologica in Italia. Inform. Fitopat., Bologna, nr. 6. 1951, 1 fig.
- Huba, A., Protecția plantelor in Republica Cehoslovacă. Congr. int. Fitopat., Ent., Prot. Plant., Bucuresti (2. 5. 7.—4. 8. 1949), 2. 1951, 174—178.
- Jessen, Versuchsanstalt und Pflanzenschutzamt arbeiten eng zusammen. Landw. Wochenbl. Kurh., Waldeck 166. 1951, 125 u. 128.
- Kalepy, H., Europäische Pflanzenschutz-Organisation (E. P. P. O.). Jahresbericht 1950. (Verkürzte Übersetzung a. d. engl. u. franz. Original.) Gesunde Pflanzen 3. 1951, 102—105.
- Keller, E., Organisation und Tätigkeit des Niederländischen Pflanzenschutzdienstes. Schweiz. landw. Monatsh. 29. 1951, 65—68.
- Konze, E., Die Entwicklung des Pflanzenschutzes. Landw. Wochenbl. Kurh., Waldeck 166. 1951, 123—124.
- Krause, G., Internationale Organisation der biologischen Schädlingsbekämpfung. Pflanzenschutz, München, 3. 1951, 102—104.
- Leib, E., Pflanzenschutz und landwirtschaftliche Praxis. Ein Weg der Realisierung. Gesunde Pflanzen 3. 1951, 142—145.
- Maag, R., Über die Entwicklung des Pflanzenschutzes. Gärtnermeister 54. 1951, 90.
- Meyer-Hermann, Intensivierung des Pflanzenschutzes in Kurhessen. Landw. Wochenbl. Kurh., Waldeck 166. 1951, 125.
- Miller, P. R., and O'Brien, M., The plant disease warning service in 1951. Plant Dis. Repr. Suppl. 208. 1951, 237—251.
- Mizoguchi, (Self-support of Japanese economy and plant protection.) Jap. J. Plant Prot. 19. 1951, 7—11.
- Morstatt, H., Die Organisation des Pflanzenschutzes und die Auskunftserteilung. Schädlingsbekämpfung 43. 1951, 13—14.
- Pannenberg, Probleme des Pflanzenschutzes. Hann. land-, forstw. Ztg. 104. 1951, 991.
- Pieler, E.-H., Zweck und Ziel der Schutzgemeinschaft Deutscher Wald. Nachr. Beratg., Ausbildg. Landw. 4. 1951, 99—100.
- Poljakow, J. M., Știința protecției plantelor in U. R. S. S. Congr. int. Fitopat., Ent., Prot. Plant., Bucuresti (25. 7.—4. 8. 1949), 2. 1951, 100—121.
- Post, J. J., and Richel, C., (Possibilities for the re-organisation of the Dutch potato-blight warning service.) Landbouwkdg. Tijdschr. 63. 1951, 77—95.
- Ripper, W., Der Pflanzenschutz in Großbritannien und dem Britischen Weltreich. Pflanzenschutzberichte, Wien, 6. 1951, 1—16, 5 Abb.
- Santolalla, N. R., Problemas de investigación fitopatológica que debiera afrontar el Perú, con decisión y entusiasmo. Mensajero Agr. 61. 1951, 37—39.
- Schack, G., Genossenschaftlicher Pflanzenschutz. Landw. Wochenbl. Kurh., Waldeck 166. 1951, 142.
- Schröder, A., Wo bleibt die systematische Schädlingsbekämpfung? Schädlingsbekämpfung 43. 1951, 139—140.
- Seume, R., Gewerbliche Schädlingsbekämpfung im Pflanzenschutz. Mitt. Biol. Zentralanst., Berlin-Dahlem, H. 70. 1951, 20—24.
- Sirum, B., (A visit to the State Plant Protection Institute at Stockholm.) Landbruks-tidende 57. 1951, 604—605.
- Stellwaag, F., Warndienst in der Schädlingsbekämpfung. Umschau 51. 1951, 579—580.
- Trappmann, W., Landwirtschaft und Pflanzenschutz in USA. Nachr. bl. dtsh. Pfl. schutzd., Braunschweig, 3. 1951, 51—54.
- Trappmann, W., Studienreise nach USA zum Studium des Pflanzenschutzes. Bericht über das Ergebnis des Projekts technische Hilfeleistung Nr. 07—05. AID (Land- u. hausw. Auswert.- u. Inform. dienst), Frankfurt/M., H. 7. 1951, 32 S.
- Wegorek, W., Organizacja protecției plantelor in Republica Polona. Congr. int. Fitopat., Ent., Prot. Plant., Bucuresti (25. 7.—4. 8. 1949), 2. 1951, 153—156.
- Wilkins, V. E., (Bases of the European agreement for plant protection.) Agenzia Romana Note, Inform. Agric. 15. 1951, 1—2.
- Willaume, F., Ce qu'il faut savoir de l'organisation de la défense des végétaux en France. Phytoma, Paris, 4. 1951, nr. 23, p. 7—16, 8 fig., 1 tab. geogr.
- Willaume, F., et Furet, M. R., La défense des cultures en France. 1. Conf. int. Lutte cont. Parasites Plantes 3.—6. 10. 1950 Rom. 1951, 254—263.
- Zillig, H., und Kotte, W., Pflanzenschutzpädagogik. Mitt. Biol. Zentralanst., Berlin-Dahlem, H. 70. 1951, 14—16.
- Convention pour l'Établissement de l'Organisation Européenne pour la Protection des Plantes. Paris 1951, 17 p.
- Department of Plant Pathology of agricultural Research Centre. Maatalousk. Kasvitaat. Tiedon., Tikkurila, nr. 5. 1951, 1—7.
- Europäische Pflanzenschutzorganisation. Die Pariser Konvention vom 18. April 1951. Gesunde Pflanzen 3. 1951, 125—129.
- Necesidad de una organización regional de protección fitosanitaria en América Latina. Inter-amer. Conf. Agr. Trab. Técn. 4. 1951, 303—305.
- Pflanzenschutz-Tagung der Biologischen Bundesanstalt Braunschweig in Goslar, 11.—14. Oktober 1950. Mitt. Biol. Zentralanst., Berlin-Dahlem, H. 70. 1951, 140 S.
- Pflanzenschutz und Qualität. Bauernbl. Schlesw.-Holst. 5./101. 1951, 209—210.

4. Gesetzgebung und Verwaltung im Pflanzenschutz

Legislation and administration of plant protection

Législation et administration pour la protection des plantes

- Ackermann, E.**, Pflanzenschutzliche Ausfuhrkontrolle in Italien. Pflanzenschutz, München, 3. 1951, 74—75, 2 Abb.
- Barabé, R.**, Weed control legislation in Quebec. Nat. Weed Comm., east. Sect. (Canada), Proc. 4. 1951, 65—67.
- Bishop, F. C.**, Present pesticide laws are ample. Agric. Chem. 6. 1951, nr. 6, p. 55, 57.
- Blank, M.**, Der Gifthandel nach gesetzeskundlichen, chemischen und medizinischen Gesichtspunkten. L. Lang, München 1951. 149 S.
- Braun, H.**, Untersuchung des gegenwärtigen Zustandes der Pflanzenschutzgesetzgebung in den verschiedenen Ländern und der Organisation der obligatorischen und fakultativen, kollektiven und individuellen Bekämpfungsmaßnahmen. 1. Conf. int. Lutte contre Parasites Plantes 3.—6. 10. 1950 Rom. 1951, 76—94.
- Carey, C. J.**, Legal aspects of pest control. (Condensed.) West. Grower, Shipper 22. 1951, nr. 3, p. 13, 36.
- Evensius**, Zur praktischen Durchführung der Verordnung über bienenschädliche Pflanzenschutzmittel vom 25. 5. 1950. Mitt. Biol. Zentralanst., Berlin-Dahlem, H. 70. 1951, 109—113.
- Kawamura, T.**, (On »prohibition«.) [plant quarantines] Jap. J. Plant Prot. 21. 1951, 3—12.
- Leclerg, E. L.**, Proposed legislation dealing with the use of pesticides. U. S. agric. Res. Admin., Washington, 1951, 6 p.
- Mori, N.**, (Plant-quarantine of U. S. A.) Jap. J. Plant Prot. 21. 1951, 39—41.
- Murphy, K. S.**, Ontario weed control act 1950. Proc. nat. Weed Comm., east. Sect. (Canada), 4. 1951, 63—64.
- Pinto, M. P. D.**, Plant import legislation in Ceylon. Trop. Agric. 109. 1951, 244—249.
- Reisinger**, Obstgartenbesitzer, Baumschulbetriebe und Obstbaumbändler: Unkenntnis der Gesetze schützt vor Strafe nicht! [Insektenbekämpfung] Kärntner Bauer 101. 1951, 85—86.
- Ricchello, A.**, La legislazione fitosanitaria italiana. 1. Conf. int. Lutte contre Parasites Plantes 3.—6. 10. 1950 Rom. 1951, 241—247.
- Scandura, A.**, L'intervento legislativo nel campo della fitopatologia. (Legislative intervention in the field of plant pathology.) Agric. ital. 2. 1951, 102—106.
- Schmidt, K.**, Das kommende Saatgutgesetz. Nachr. Beratz., Ausbildg. Landw. 4. 1951, 123—125.
- Schoel, W.**, Amtliche Pflanzenbeschau und Außenhandel. Gesunde Pflanzen 3. 1951, 254—256, 1 Abb.
- Schoel, W.**, Neue Erlasse und Bekanntmachungen für die Ein- und Ausfuhr. Gesunde Pflanzen 3. 1951, 257—259.
- Schoel, W.**, Der Umfang der amtlichen Pflanzenbeschau. Gesunde Pflanzen 3. 1951, 275—277, 1 Abb.
- Stellwaag, F.**, Die Reblausgesetzgebung in der Schweiz. Dtsch. Weintzg. 1951, H. 5.
- Trifonova, V.**, Organizarea serviciului de carantină în Republica Populară Bulgaria și combaterea dăunătorilor plantelor agricole supuși carantinei. Congr. int. Fitopat., Ent., Prot. Plant., Bucuresti (25. 7.—4. 8. 1949), 2. 1951, 166—169.
- Yagi, J.**, (Quarantine policy for imported cereals.) Jap. J. Plant Prot. 24. 1951, 1—17.
- Amendments of Japanese beetle (Popillia japonica) quarantine and regulations.** U. S. Dept. Agric. Bur. Ent., Plant Quar. 48. 1951, 6 p.
- Ausführungsvorschriften zur Polizeiverordnung zum Schutz von Gebäuden gegen Hausbockkäfer vom 11. Oktober 1951.** Ministerialbl. Nordrhein-Westf. (Ausg. A) 4. 1951, 1226—1235.
- Pflanzenschutz-Gesetzgebung in Frankreich.** Gesunde Pflanzen 3. 1951, 232—233.
- Polizeiverordnung zum Schutz von Gebäuden gegen Hausbockkäfer vom 11. Oktober 1951.** Gesetz- u. Verordn. bl. Nordrhein-Westf. (Ausg. A) 5. 1951, 132.
- Service and regulatory announcements. List of intercepted plant pests, 1949.** U. S. Dept. Agric. Bur. Ent., Plant Quar., Serv. regul. Announc., 1951, 77 p.
- Summary of State nursery-stock shipping requirements and plant quarantines and regulations affecting interstate shipments.** U. S. Dept. Agric. Bur. Ent., Plant Quar. 578—18. 1951, 3 p.
- Verordnung über bienenschädliche Pflanzenschutzmittel vom 25. Mai 1950.** Pflanzenschutz, München, 3. 1951, 67.

5. Statistik über die Verbreitung von Pflanzenkrankheiten und Schädlingen (Kosten und Rentabilität)

Statistics of the incidence of plant diseases and parasites (costs and profitability)

Statistique de la fréquence des maladies végétales et de leurs parasites (frais et avantage)

- Arrington, L. G.**, World consumption of pesticide materials. I—II. [insecticides and other products] Agric. Chem. 6. 1951, nr. 2, p. 53, 55—57, 85; nr. 3, p. 44—45, 47, 120—121.
- Boynton, D.**, a. o., A report on the cost of spraying survey. New York State hortic. Soc. Proc. 96. 1951, 76—88.
- Chester, K. St.**, The measurement of plant disease losses. *Biologia* 2. 1950/51 (1951), 162—165 (Chron. Bot. Vol. 12, Nr. 4/6).
- Czech, M.**, Über die Höhe der Geld- und Arbeitsaufwendungen für Pflanzenschutzmaßnahmen in landwirtschaftlichen Betrieben mit verstärktem Feldgemüsebau. *Ztschr. Pfl.krankh.* 58. 1951, 332—345.
- De Viguier, P.**, Pour être payante — la défense phytosanitaire doit être bien organisée et bien conduite. [fruit spraying] *Tarn-et-Garonne Agric.* 14. 1951, 64—65.
- Dickerson, R. L., Edwards, F. E., and Hamner, A. L.**, Low cost insecticide sprayer for small farms. *Mississippi agric. Exp. Stat. Inform. Sheet* 464. 1951, 2 p.
- Drees, H.**, Schwerpunkte im Pflanzenschutz. *Gesunde Pflanzen* 3. 1951, 88—89.
- Ext, W.**, Pflanzenschutz wirtschaftlich. Ein Überblick über die wichtigsten pflanzenschutzlichen Frühjahrsarbeiten. *Bauernbl. Schlesw.-Holst.* 5./101. 1951, 407—408.
- Goidanich, G.**, Le malattie delle piante nella vita economica dei popoli. *Italia agric.* 1951, 307—312.
- Grandori, R.**, Ripercussioni economiche e sociali dei danni causati dai parassiti delle piante. Considerazioni sull'importanza presunta dei danni da essi causati ai raccolti e alle derrate alimentari immagazzinate. 1. Conf. int. Lutte contre Parasites *Plantes* 3.—6. 10. 1950 Rom. 1951, 61—75.
- Hensill, G. S.**, Insecticide treatment reduces seed cost 30 %. *Food Packer* 32. 1951, nr. 4, p. 55, 58.
- Hohenbruck, E.**, Über die Rentabilität der Schädlingsbekämpfungsspritzen. *Obst u. Garten* 6. 1951, 100—101.
- Holmström, S.**, (Farm costs for economic poisons etc.) *Lantmannen (swed.)* 35. 1951, 568—570.
- Kirschner, M. J.**, Is crop protection a luxury? [insect control for India] *Food and Farming* 3. 1951, 16—18.
- Kuhn, L.**, Ist Schädlingsbekämpfung rentabel? *Techn. Bauern, Gärtner (Augs. A)* 3. 1951, 100—101.
- Leib, E.**, Der wirtschaftliche Effekt des Pflanzenschutzes im bäuerlichen Betrieb. *Saarl. Bauernbl.* 5. 1951, 129.
- Mieller, H.**, Wir ernten, was sie übrig lassen. *Land u. Frau* 31. 1951, 300—301, 4 Abb., 345—346, 1 Abb., 389, 3 Abb., 432—433, 4 Abb., 477—478, 523—524, 1 Abb.
- Mücke, K. H.**, Die Schädlingsbekämpfungsmittel und die Kosten der Schädlingsbekämpfung. *Höfchen-Briefe, Leverkusen*, 4. 1951, 21—23.
- Nettles, W. C.**, Pest control makes dollars and sense. *South. Seedsman* 14. 1951, nr. 2, p. 15, 34, 38, 49.
- Palti, J., and Minz, G.**, Estimation of the incidence and destructiveness of plant diseases. II. Evaluation of estimates and uses of estimations. *Bull. Res. Council Israel* 1. 1951, 54—66.
- Richter, H.**, Bedeutung und Probleme des Pflanzenvorratsschutzes. *Umschau* 51. 1951, 577—578.
- Richter, H.**, Pflanzenschutz — eine noch wenig genutzte Erzeugungsreserve. *Mitt. dtsh. Landw.-Ges., Frankfurt/M.*, 66. 1951, 840—841.
- Ritt, A. E.**, What does cut-rate pricing mean to the pest control industry? *Pest Control* 19. 1951, nr. 6, p. 9—10.
- Rönnebeck, W.**, Pflanzenschutz — kaufmännisch gesehen. *Dtsch. landw. Presse* 74. 1951, 301—302, 4 Abb.
- Russel, J.**, Wastage of world food supplies through pests and diseases. *Fernhurst int. Conf. Proc.* 1951, 13—25.
- Schiffel, M.**, Gedanken über pausenlose Schädlingsbekämpfung. *Schädlingsbekämpfung* 43. 1951, 60—61.

- Schumacher, G.**, Untersuchungen zur Rentabilitätssteigerung im Pflanzenschutz durch Einsatz brühesparender Feldspritzen. (Diss.-Auszug.) AID-Rundschau, Frankfurt/M., 1. 1951, Nr. 10, S. 3.
- Singh, R.**, Economics of some methods for controlling aphid pests. Agric., Anim. Husb. India 1. 1951, nr. 10, p. 10—14.
- Spencer, C. B.**, Insect control is a community job. Acco Press 29. 1951, nr. 3, p. 25—26.
- Steer, H. B.**, Wood preservation statistics 1950. Proc. amer. Wood-Preserv. Assoc. 47. 1951, 299—338.
- Suter, R. C.**, The cost of spraying apples in 1949. New York agric. Coll. Farm Econ. 178. 1951, 4633—4635.
- Svien, T.**, Does treating field seed pay? Illinois agric. Assoc. Rec. 29. 1951, nr. 11, p. 22, 29.
- Agricultural statistics**, 1950. U. S. Dept. Agric., Washington 1951. 791 p.
- Kostenersparnis in der Schädlingsbekämpfung?** Landw. Ztschr. Nord-Rheinprov. 118. 1951, 126.
- Millionen-Schaden durch Engerlinge.** (Landwirtschaftsausschuß des Landtages auf Besichtigungsfahrt. — Neue Bekämpfungsmittel zeitigen Erfolge.) Württ. Wochenbl. Landw. 118. 1951, 821—822.
- Report of national freight loss and damage prevention committee**, 1951. [statistics on losses of food products] Assoc. amer. Railroads, Chicago 1951. 165 p.
-

Autorenverzeichnis

Index of authors — Index alphabétique des auteurs

- Aamodt, E. E., 220.
 Abbott, E. V., 282, 283, 285.
 Abdulajew, S. G., 144.
 Abdullaeva, A. A., 351.
 Abelenzew, W. I., 247, 325.
 Abelson, S. M., 301.
 Åberg, E., 27, 136, 354.
 Abiusso, N. G., 356.
 Abraão, J., 274.
 Abraham, E. P., 352.
 Abramova, G. K., 124.
 Abrego, L., 71, 198, 266.
 Aburto M., S., 121, 156.
 Achacoso, I., 215.
 Achard, M., 92, 112.
 Ackermann, E., 199, 265, 370.
 Adair, C. R., 79.
 Adair, W., 105.
 Adams, D. F., 220.
 Adams, J. A., 130.
 Adams, L., 247.
 Adams, L. E., 256.
 Adams, M. F., 220.
 Adams, M. O., 220.
 Adams, R. E., 313.
 Aerts, P. F., 51.
 Aerts, R., 15, 159.
 Afanasiev, M. M., 174, 179.
 Afifi, A., 80.
 Agarkov, V. A., 286.
 Agarwala, S. B. D., 284.
 Agarwala, S. C., 146.
 Agati, G., 294.
 Agati, J. A., 286.
 Aguilar, J. D., 50.
 Aguilar, L., 296.
 Aguzzi, G., 114.
 Ahlberg, O., 38, 143, 193.
 Ahles, H. E., 27.
 Ahlgren, G. H., 16, 27.
 Ahlgren, H. L., 128.
 Ahmad, S., 19.
 Ahmad, T., 267, 312.
 Ahmed, Q. A., 19.
 Ahrer, K., 34.
 Aichele, H., 14.
 Aichinger, E., 9, 218.
 Aikawa, H., 109.
 Aitkenhead, P., 261.
 Akai, S., 7.
 Akamine, E. K., 15, 354.
 Akesson, N. B., 27, 359.
 Akune, S., 66.
 Albert, A., 382.
 Albert, W. B., 27, 337.
 Albertsson, C. E., 92.
 Albright, L. C., 100.
 Alcaraz, E., 135.
 Alderfer, R. B., 90.
 Aldinger, G., 158.
 Aldrich, D. G., 196, 197.
 Aldrich, F. D., 196.
 Alejnikowa, M. M., 325.
 Aleksandar, St., 359.
 Aleksidze, N. E., 213.
 Alexander, L. J., 135, 156.
 Alexandri, A., 368.
 Alfaro, A., 165.
 Alfejew, N., 40.
 Alibert, H., 166, 201, 246, 273, 354.
 Allan, P. B. M., 243.
 Allen, F. W., 294.
 Allen, J. M., 4.
 Allen, M., 171, 342.
 Allen, M. W., 115, 163, 212.
 Allen, N., 315.
 Allen, R. C., 264.
 Allen, R. M., 267, 268.
 Allen, S. E., 15.
 Allen, T. C., 7, 12, 15, 143, 341.
 Allen, W. R., 124, 194.
 Allen, W. W., 337.
 Allington, W. B., 7.
 Alliot, H., 249.
 Allison, C. C., 7.
 Allison, J. L., 117, 124, 287.
 Allison, L. E., 315.
 Allouard, P., 220.
 Altona, R. E., 33, 88, 337, 355.
 Altschul, A. M., 288.
 Altukhova, L. A., 77.
 Alvarez García, L. A., 149, 263.
 Alvim, G. B., 74.
 Amaral-Gerarda, M. C., 144.
 Amelin, A. G., 313.
 Amen, C. R., 122.
 Ames, L. M., 225, 226.
 Ames, R. W., 65, 258.
 Ammann, E., 363.
 Amphoux, M., 209.
 Amphoux, R., 209.
 Amsel, H. G., 54.
 Ander, K., 287.
 Anderegg, J. W., 65.
 Andersen, A. L., 117, 118.
 Andersen, E. T., 255.
 Andersen, K. Th., 137.
 Anderson, A. J., 12.
 Anderson, B. I., 356.
 Anderson, C. G., 258.
 Anderson, C. J., 262.
 Anderson, Ch. W., 66, 149.
 Anderson, E. A., 215.
 Anderson, E. D., 313, 359.
 Anderson, E. J., 21, 279.
 Anderson, E. M., 143.
 Anderson, E. T., 12.
 Anderson, H. W., 287, 353.
 Anderson, J. A., 75.
 Anderson, L. D., 93, 149, 363.
 Anderson, P. J., 132, 134.
 Anderson, R. L., 215.
 Anderssen, E. E., 262.
 Andersson, I., 344.
 Andes, J. O., 184.
 Andison, H., 193, 258, 359.
 Andrade, A. C., 97, 100, 153, 283.
 Andrén, F., 16, 87, 100, 249, 341.
 Andrewartha, H. G., 187, 309.
 Andrewes, C. H., 64.
 Andrews, E. A., 80, 248.
 Andrews, S. R., 230.
 Andrievskaia, A. I., 30.
 Androicé, M., 241, 243.
 Andrus, S. R., 220.
 Anerud, K., 69, 80.
 Angel, C. R., 26.
 Angelini, A., 301.
 Angell, G. N., 176, 195, 333.
 Angell, H. R., 79, 118, 141, 157, 174.
 Angell, H. W., 221, 296.
 Angelopulo, V., 39.
 Anglade, P., 42, 92.
 Ankersmit, G. W., 55, 269, 273, 333.
 Ankudinov, A. M., 255.
 Annand, P. N., 312.
 Anpilogov, M. Z., 80.
 Anselme, C., 136.
 Anthon, E. W., 67, 176, 179, 181, 333.
 Antognini, J., 144.
 Antoine, M., 40.
 Antoniadès, 207.
 Antony, J., 277.
 Antzenberger, P., 249.
 Aoshima, K., 227.
 Apenitis, A., 225.
 App, B. A., 125.
 Appanna, M., 74.
 Appert, J., 272, 333.
 Apple, J. W., 122.

Appler, H., 139.
 Arabadjiev, D., 50.
 Aragaki, M., 264.
 Arai, T., 15.
 Arango, R., 234.
 Arant, F. S., 92, 267, 269, 272.
 Arashi, K., 88.
 Arbuthnot, K. D., 94, 317.
 Arceneaux, C. J., 346.
 Arceneaux, G., 282.
 Archimowitsch, K., 156.
 Arenz, B., 99, 109.
 Ark, P. A., 8, 18, 204, 263, 264, 286, 303, 351, 357.
 Arkhangel'skii, N. N., 290.
 Arkhipov, V. D., 225.
 Arle, H. F., 136.
 Armand, J. E., 47, 144, 146, 149.
 Armitage, H. M., 114, 166.
 Armour, C. J., 346.
 Armstrong, G., 40, 346.
 Armstrong, G. M., 118, 136.
 Armstrong, J. K., 136.
 Armstrong, W. D., 172, 178.
 Arnala, R., 144.
 Arnason, A. P., 315.
 Arndt, C. H., 267.
 Arnold, G., 102.
 Arnold-Forster, W., 307.
 Arnoldi, K. W., 233, 317.
 Arnoux, J., 187, 190.
 Arny, D. C., 85.
 Arrieta, M. L., 42.
 Arrington, L. G., 333, 371.
 Arruda, S. C., 283.
 Arsenaault, L., 28.
 Arx, J. A. v., 21, 151, 264, 265.
 Arze L., O., 97.
 Arzt, Th., 306.
 Asano, M., 109.
 Ash, L. W., 221.
 Ashdown, D., 75.
 Ashplant, H., 275.
 Askarova, S., 353.
 Askew, H. O., 137, 192.
 Åslander, A., 346.
 Asquith, D., 168, 170.
 Assouly, M., 355.
 Asuyama, H., 109.
 Atanacković, St., 106.
 Atkins, E. L., 200.
 Atkins jr., E. L., 199.
 Atkins jr., J. G., 85, 121, 123, 124, 149.
 Atkinson, H. J., 10.
 Atkinson, J. D., 180, 191, 208.
 Atwood, S. S., 124.
 Aubert, Ph., 159.
 Aubry, J., 60, 357, 365.
 Audus, L. J., 355.
 Aufenvenne, J., 355.

Aufseß, A. v., 247.
 Augenstein, J. B., 34.
 Aughanbaugh, J. E., 220.
 Augustin, S., 92.
 Aureau, M., 9.
 Ausemus, E. R., 82.
 Ausilio, M. D., 139.
 Ausland, O., 176.
 Autuori, M., 57.
 Avenarius, R., 249, 296.
 Avery, G. S., 120.
 Avidov, Z., 176, 279.
 Awetjan, A. S., 212.
 Aycock, R., 21, 149, 267.
 Ayers, T. T., 19.
 Ayoutantis, A. J., 69, 207.
 Aytoun, R. S. C., 19.

B
 Baas, J., 261.
 Baba, I., 77.
 Baber, E. G., 284.
 Babers, F. H., 40, 333.
 Bab Reddy, D., 290.
 Bachmann, F., 69, 163, 167.
 Bachstetz, M., 80.
 Bachy, A., 277.
 Backus, R. C., 66, 136.
 Bacon, O. G., 93, 205.
 Badgley, M. E., 200, 322.
 Badke, R., 315.
 Baechler, R. H., 249.
 Baerecke, M.-L., 99.
 Baerg, W. J., 193.
 Bagchee, K., 227.
 Baggiolini, M., 48.
 Bagnall, R. H., 111.
 Baier, W. E., 287.
 Baigent, C. H., 28.
 Bailey, F. V., 259.
 Bailey, St. F., 1, 364.
 Baillie, A. F. H., 260.
 Bain, D. C., 147, 152.
 Bain, F. M., 277.
 Baines, R. C., 139, 140, 199.
 Baird, G. T., 32.
 Baird, J. C., 221.
 Bakarcic, M., 226.
 Baker, E. W., 40.
 Baker, K. F., 14, 264, 265, 303, 306.
 Baker, R. E., 192.
 Baker, R. E. D., 19.
 Baker, R. R., 258.
 Baker, W. L., 249.
 Bakermans, W. A. P., 289.
 Bakewell, S. E., 273.
 Bakke, A. L., 33.
 Bakker, D., 28.
 Bakker, M., 147, 151, 153.
 Bakshi, B. K., 21, 85, 215, 227.

Balachowsky, A. S., 40, 47, 48, 206, 321, 333.
 Balandrano C., D., 3.
 Bălănică, T., 241.
 Balasubrahmanyam, R., 267.
 Balcom, R. B., 129.
 Bald, J. G., 66, 135, 261.
 Baldacci, E., 18, 28, 75, 89, 97, 140, 209, 338, 344.
 Baldassari, T., 174.
 Baldoni, R., 50, 113, 346.
 Balevsky, A., 50.
 Balfour-Browne, F. L., 22.
 Ball, C. E., 338.
 Ball, D. V., 275.
 Ball, H. J., 344.
 Ball, W. S., 28, 30.
 Ballard, W. W., 269.
 Ballatore, G. P., 341.
 Ballezo, H., 16.
 Ballusek, H. v., 260.
 Balmos, D., 35.
 Balock, J. W., 56, 141, 166.
 Banasik, C. J., 78.
 Banerji, B. N., 138.
 Banerji, S., 279.
 Banfi, A., 197, 203.
 Banfield, G. L., 36.
 Banks, C. J., 149.
 Banti, G., 204.
 Baptista, C. R., 113.
 Barabé, R., 28, 36, 370.
 Barannikova, Z. D., 77.
 Baranyovits, F., 341.
 Barber, H. S., 51.
 Barbosa, A. J., 269.
 Bardes, H. C., 309.
 Bardia Bardia, R., 158, 186, 187, 190.
 Bardin, R., 151, 153.
 Barducci, P., 290.
 Bare, C. O., 134, 296.
 Bare, O. S., 54.
 Barger, E. L., 145.
 Bargioni, G., 333.
 Barjona de Freitas, A. G., 213.
 Barker, H. A., 1.
 Barker, J. S., 64, 122.
 Barkley, J. H., 365.
 Barlow, F., 334, 365.
 Barlow, H. W. B., 182.
 Barmack, B. J., 296.
 Barnes, D. F., 214, 294.
 Barnes, H. F., 5, 56, 95, 290, 321.
 Barnes, H. V., 4.
 Barnes, J. M., 364.
 Barnes, M. M., 187.
 Barnes, O. L., 127.
 Barnes, W. C., 151.
 Barnett, A., 42.
 Barnett, H. L., 20, 26, 120, 230.

- Barnett, S. A., 60, 97.
Barnhart, C. S., 287.
Barns, F., 263.
Barriety, L., 231.
Barrons, K. C., 346, 356, 357.
Barro Rubier, M., 333.
Barrow, M., 361.
Barrows, J. S., 221.
Barrus, M. F., 5.
Bart, G. J., 231.
Bartels, H.-H., 9.
Bartels, R., 66, 111.
Barter, G. W., 246.
Barth, E., 147, 163, 165, 188, 294.
Bartholomew, E. T., 197.
Bartlett, B., 199, 200, 317, 344.
Bartlett, B. R., 364.
Bartoloni, P., 104.
Barton, B. R., 315.
Barton, F. M., 284.
Barton, K. P., 191.
Bartschat, 307.
Basak, M., 136, 301.
Basanta, E. A., 198.
Bašenina, N. V., 60, 247.
Baser, N., 231.
Basham, J. T., 243.
Basilevsky, P., 50.
Baskin, A. D., 346.
Basset, H., 351.
Bassett, I. J., 33.
Basu, S. N., 136, 301.
Batchelder, C. H., 94.
Batchelor, G. S., 259.
Bateman, G. Q., 364.
Bathard, A. H., 60.
Batjer, L. P., 182.
Batkina, E. I., 92, 319.
Batten, E. T., 273, 349.
Batts, C. C. V., 23.
Baudet, J., 65.
Bauer, A. H., 132.
Bauer, R., 27, 191.
Baumann, C. A., 303.
Baumann, G., 68.
Baumeister, G., 99.
Baumeister, W., 289, 294.
Baumgart, R. W., 135.
Baumgarten, 106.
Baumgartner, A., 221.
Bavendamm, W., 225, 227, 249.
Bawden, F. C., 2, 64, 65, 67, 122, 307.
Baxter, D. V., 215.
Baxter, J. W., 157, 265, 266.
Bayles, B. B., 75, 80.
Baylor, J. E., 89.
Bayne, A., 240.
Baynes, E. S. A., 40.
Bazán de Segura, C., 71, 102, 181, 267, 279.
Beach, W. S., 132.
Beal, E. G., 315.
Beall, H. W., 221.
Beament, J. W. L., 167.
Bear, E. M., 186.
Beard, J. S., 28.
Beard, J. W., 66.
Beard, R. L., 92, 321, 333.
Beatty III, G. H., 321.
Beatty, R. H., 338.
Beaulieu, A. A., 163, 358.
Beaumont, A., 123, 255, 258, 259, 261, 265.
Beck, E. W., 93.
Beck, S. D., 344.
Becker, 36, 106, 355.
Becker, A., 34, 39, 85, 102, 168, 289.
Becker, G., 241, 249, 296.
Becker, K., 60, 63, 364.
Becker, W. B., 255.
Becker, Y., 8.
Becker-Bonn, 364.
Beckham, C. M., 121, 269.
Beckman, C. H., 229.
Beech, C., 221.
Beecher, R. L., 118.
Beekenkamp, G., 168, 255.
Beeman, W. W., 65.
Beemster, A. B. R., 122.
Beer, 17, 234.
Beeri, Y., 34.
Beesley, J., 296.
Beeson, D. M., 196.
Beheyt, C., 106.
Behr, 116.
Behr, E. A., 253, 296.
Behr, L., 165.
Behura, B. K., 286.
Bei-Bienko, G., 42.
Beijer, J. J., 65, 360.
Beinhart, E. G., 351.
Bejlin, I. G., 215, 225.
Belani, E., 296.
Belisin, W., 57.
Bell, 249.
Bell, F. H., 19, 80, 85.
Bell, G. H. D., 78.
Bell, L., 24.
Bell, Th. A., 150.
Bellamy, L. J., 341.
Bellavite, F., 104, 164, 173, 176, 302, 313, 328.
Bellmann, H., 249.
Bellue, M. K., 30.
Belmar Puelma, L. A., 97, 102, 104.
Bels, P. J., 304.
Bel'skii, N. V., 255, 325.
Belton, M. J., 28.
Beltran, V., 220.
Belzile, A., 129.
Benada, J., 85.
Bender, E., 165.
Bender, E. K., 120, 157.
Bender, G. L., 346.
Benford, H., 34.
Ben-Haim, N., 279.
Benjamin, D. M., 245.
Benloch, M., 97, 140, 309, 341.
Bennett, C. W., 64, 66, 156.
Bennett, H. H., 9.
Bennett, J. P., 12.
Bennett, M., 183, 184, 193.
Bennett, R. G., 296.
Bennett, R. R., 133.
Bensaude, M., 279.
Bensend, D. W., 220.
Benson, R. B., 57.
Benton, A. H., 364.
Benton, C., 47.
Bentz, T., 225.
Benvenuti, B., 220.
Beran, F., 2, 159, 164, 168, 207, 312, 328, 333, 359, 361, 368.
Berck, B., 333, 364.
Bercks, R., 109.
Berducou, J., 21.
Berentschot, J., 129.
Beresina, W. M., 239.
Berezovskii, M., 89.
Berger, G., 140.
Berger, K. C., 114, 124.
Bergeson, G. B., 348.
Bergien, A., 221.
Bergman, 137.
Bergman, F., 226.
Bergman, S., 328.
Bergmann, M. E., 65, 135.
Bergold, G., 64.
Bergold, G. H., 243, 326.
Bergsma, J., 186.
Berjon, 42.
Berkeley, G. H., 64, 100, 146, 179, 181, 261, 309, 312.
Berkner, 306.
Bernacca, E., 14.
Bernadi, C., 23.
Bernard, F., 57.
Bernard, J., 117, 163, 179, 212.
Bernard, R., 159, 292.
Bernasco, W., 249.
Bernaux, F., 69, 124, 157, 267, 303.
Bernfus, E., 290.
Berninger, M., 318.
Bernon, G., 209.
Bernstein, J., 64.
Bernuth, W. v., 129.
Beroza, M., 351.
Berry, D., 177, 188.
Berry, F. H., 204.

- Berry, N. O., 199.
 Berry, P. A., 269, 274, 321.
 Berry, R. C., 165.
 Bertels, A., 73.
 Berthault, P., 165, 208.
 Bertholdi, R. E., 54.
 Berthom, R., 245.
 Bertossi, F., 16, 128, 338.
 Bertram, I., 60.
 Berville, P., 174.
 Beryl Beakbane, A., 172.
 Berzaghi, M., 312.
 Beschmer, R. H., 296.
 Besemer, A. F. H., 106, 168, 313.
 Bess, H. A., 149, 166, 325.
 Besson, J., 51, 176.
 Betrem, J. G., 317.
 Bettini, S., 364.
 Bever, W. M., 80, 87.
 Bevilacqua, I., 168, 343.
 Bewley, W. F., 259.
 Beyer, 209.
 Bhargava, K. S., 149.
 Bhatia, S. C., 346.
 Bhatnagar, S. P., 321.
 Bhatt, V. V., 257, 266.
 Bhattacharyya, J. P., 136.
 Bhattacharyya, P. K., 353.
 Bhide, V. P., 124.
 Bhimayya, C. P., 9.
 Bianchi, A., 107.
 Bickel, E., 59, 368.
 Bickley, W. E., 121.
 Biddulph, C., 364.
 Bidstrup, P. L., 364, 365.
 Biedermann, H., 159.
 Biedermann, W., 343.
 Biehn, E. R., 59.
 Bier, K., 57.
 Bieri, F., 162.
 Biermann, H. E., 357.
 Bigger, J. H., 76, 121.
 Bilczyński, S., 239.
 Biliotti, E., 245, 321, 323.
 Billings, S. C., 328.
 Billington, T. F., 129.
 Bilsing, S. W., 205.
 Binaghi, G., 50.
 Binglefords, S., 124, 126, 128, 315.
 Binns, E. J., 269.
 Binns, W., 364.
 Biondi, L., 359.
 Biraghi, A., 14, 21, 226, 231.
 Birch, L. C., 53, 290.
 Birchfield, W., 229.
 Bird, J. H., 250.
 Bird, J. J., 192, 327.
 Bird, L. S., 267.
 Bird, R. D., 71.
 Birdsall, J. E., 75.
 Birk, G., 359.
 Birkenfeld, 215.
 Biron, R. A., 315.
 Bishara, I., 269.
 Bishop, C. F., 93.
 Bishop, H. J., 149, 190, 335.
 Bishop, R. L., 244.
 Bishopp, F. C., 5, 269, 333, 364, 370.
 Bissell, T. L., 61, 126, 132, 152, 153, 169, 276.
 Bisset, W. J., 35.
 Bist, B. S., 299.
 Bitancourt, A. A., 21, 74, 161, 199, 202.
 Biteau, L., 315.
 Bitters, W. P., 202.
 Bjegović, P., 70, 331.
 Bjerggård, A., 255.
 Bjerhove, B., 227.
 Björling, K., 66, 124.
 Bjornstad, A., 109.
 Bjorkman, E., 228.
 Black, D. T., 290.
 Black, L. M., 64, 109, 127.
 Black, M. A., 87.
 Black, R., 234.
 Black, W., 97, 102.
 Blackaller V., A., 91, 301.
 Blackburn, F. H. B., 28.
 Blackith, R. E., 351, 354.
 Blackman, G. E., 28, 136, 338.
 Blair, B. O., 35.
 Blair, C. A., 188.
 Blair, J. D., 7, 87.
 Blair, K. G., 264, 321.
 Blair, T. A., 296.
 Blake, C. D., 221.
 Blanchard, 27.
 Blanchard, F. A., 117, 351.
 Blanchard, R. A., 93, 94.
 Blanchard, M., 118.
 Blanche, D., 60.
 Blanck, A., 57.
 Blanck, F. C., 328.
 Blank, L. M., 267, 268.
 Blank, M., 370.
 Blas, L., 333.
 Blasingame, W. E., 141.
 Blaszyk, P., 138, 367.
 Blattný, 137.
 Blauvelt, W. E., 264.
 Blauw, P., 161.
 Bleiweis, S., 243.
 Blencowe, J. W., 117.
 Bletchly, J. D., 238.
 Blew, J. O., 249.
 Blickenstaff, R. T., 347.
 Blinn, R. C., 365.
 Bliss, D. E., 23.
 Bliss, M. E., 30, 339.
 Bloch, D., 241.
 Block, S. S., 296.
 Blodgett, E., 179, 181.
 Blondeau, R., 356.
 Blondel, L., 197.
 Bloom, A., 28.
 Blowers, J. W., 263.
 Blüthgen, P., 245.
 Blumer, G., 107.
 Blumer, S., 21, 69, 161, 168, 174, 179, 184, 207, 262.
 Blunk, H., 50, 134, 138, 147, 317.
 Boasso, C. S., 80.
 Boback, A. W., 59, 234.
 Bobb, M. L., 176, 177.
 Bocharova, A. P., 144.
 Bocharova, O. M., 292.
 Bock, 14.
 Bock, F., 218.
 Bockmann, H., 307.
 Bockstahler, H. W., 113.
 Boddy, H., 221.
 Bode, H., 287.
 Bode, O., 65, 109, 110.
 Bodenheimer, F. S., 42, 199.
 Bodenstein, 349.
 Bodenstein, G., 346.
 Bodenstein, O. F., 302, 352.
 Böhm, H., 54, 164, 165, 167, 168, 177, 181, 193, 333.
 Böhm, O., 56, 60, 105, 109, 199, 255, 346.
 Böhnert, 263.
 Boeke, J. E., 168.
 Bömeke, H., 158, 159, 174, 294.
 Bönicke, R., 341, 353.
 Böning, K., 305, 368.
 Boerger, A., 42.
 Börner, C., 48.
 Borset, O., 232.
 Boesman, G., 260.
 Böttcher, E., 350.
 Böttcher, F. K., 364.
 Boettcher, I., 261.
 Boettger, C. R., 39, 42.
 Bogaty, H., 302.
 Bogavac, M., 359.
 Bogossowski, B. M., 301.
 Bogusch, P., 41, 346.
 Bohmont, D. W., 32, 338.
 Boidin, J., 23.
 Boisshot, B., 12.
 Bollaerts, D., 40, 117, 287.
 Boller, A., 352.
 Bollmann, 138.
 Bollow, H., 47, 48, 56, 57, 91, 96, 130, 164, 165.
 Bolschakow, A. F., 8.
 Bolton, A. T., 192.

- Bom, G. J., 38, 121.
Bombosch, S., 239, 241.
Bonar, L., 231.
Boncompagni, T., 104.
Bond, W. R., 249, 296.
Bondar, G., 200.
Bonde, R., 97, 109.
Bondy, F. F., 315.
Bongini, V., 279.
Bongiovanni, G. C., 93, 164, 165, 191, 345.
Bonham, E. B., 168.
Bonne, K., 112, 307.
Bonnell, J. A. L., 365.
Bonnemaison, L., 16, 48, 114, 138, 188, 333.
Bonstedt, C., 262.
Bonvicini, M., 90.
Booe, J. R., 87, 316.
Boon, W. R., 43.
Boone, D. M., 22, 186.
Booth, C. E., 255.
Booth, C. O., 123.
Boothroyd, C. W., 100, 101, 266.
Borath, R., 221.
Boratynski, K. L., 48.
Borchers, Gebr., 215.
Borchert, W., 238.
Bordas, E., 16.
Bordeleau, R., 114.
Borden, A. D., 188.
Borders, H. I., 154.
Borg, Å., 69, 73.
Borg, J., 296.
Borisova, L. N., 80.
Borissow, S. N., 60.
Bornebusch, C. H., 16.
Borri, M., 283.
Borsdorff, 215.
Bortels, H., 100, 306.
Borzini, G., 69.
Bosch, E., 229, 263.
Boselli, F., 126.
Boselli, F. B., 333.
Boshko, M. P., 73.
Bosian, G., 213.
Boswel, A. R., 305.
Botelho, E. A., 249.
Botha, P. J., 27, 36.
Bottger, C. T., 93, 333, 344, 352, 357.
Bottini, E., 346.
Boubals, D., 209, 212, 214.
Bouchet, R. L., 37, 239, 346.
Boudes, A., 209.
Boudy, P., 10.
Bougard, M., 51, 159.
Bouhélier, R., 140.
Bouillenne, R., 267.
Bouillenne-Walrand, M., 267.
Boulanger, J., 271.
Boulton, E. H. B., 215.
Bouriquet, G., 71, 266, 309, 328.
Bourne, B. A., 282.
Boursier, 107.
Bousard, M., 146.
Boush, G. M., 273, 349.
Bovay, H. E., 352.
Bovay jr., H. E., 249, 250.
Bovien, P., 303.
Bovingdon, H. H. S., 346.
Bowden, S. R., 54.
Bowden, W. D., 243.
Bowen, C. C., 354.
Bowen, C. V., 347, 349.
Bowles, R. L., 93.
Bowman, D. H., 77.
Bowman, D. R., 133.
Bowman, L., 316.
Bowman, R. L., 113.
Box, H. E., 284, 320, 321.
Boyce, H. R., 167, 177, 178, 246, 321.
Boyce jr., J. S., 227, 230.
Boyce, S. W., 136.
Boyce, W. R., 136.
Boyd, A. E. W., 21, 99, 265.
Boyd, A. J., 347.
Boyd, J. S. K., 64.
Boyle, A. M., 145, 268.
Boyle, L. W., 272.
Boynton, D., 12, 371.
Bracey, S. J., 255.
Braconi, L., 27.
Bradbury, R., 40, 346.
Bradford, G. R., 197.
Bradley, G. A., 245.
Bradley, R. H. E., 109.
Bradley, W. G., 92, 94, 95.
Bradley, W. R., 202.
Bradsher, Ch. K., 357.
Bragg, K. K., 104.
Braid, K. W., 37, 327.
Brakke, M. K., 66, 109.
Branas, J., 14, 208, 209, 213, 214.
Brand, D., 247.
Brandenburg, E., 8, 352.
Brander, T., 60.
Brandes, J., 39.
Brandt, 37, 69.
Brandt, H., 40, 48, 57, 141, 163, 317, 321.
Brandt, P., 59.
Brann jr., J. L., 168.
Brannon, D., 193.
Brannon, D. H., 333.
Branzanti, E. C., 169, 209.
Brasfield, T. W., 113.
Brauer, K. H., 287.
Braun, A. C., 7, 8, 18, 132.
Braun, A. J., 191, 192, 207, 209.
Braun, H., 28, 97, 99, 100, 306, 370.
Brauns, A., 73, 225, 233, 238, 239, 243, 245, 296, 303, 321, 326.
Bravenboer, L., 10, 255.
Bray, B., 92, 321.
Bray, J. M., 296.
Brčák, J., 107.
Breakey, E. P., 138, 163, 193, 195, 200, 259, 322.
Breakey, W. J., 90, 129.
Bredemann, G., 16.
Breen, G. E., 364.
Bregger, Th., 86, 285.
Breibach, 213.
Breitenstein, W., 338.
Bremer, H., 75, 90, 117, 184.
Brémond, P., 140.
Brentzel, W. E., 80, 314.
Breny, R., 40, 57, 245, 287, 326.
Bretton, C., 135.
Brett, C. H., 43.
Brett, R. L., 296.
Bretz, T. W., 25, 204, 229, 230.
Breuer, W., 160.
Breuning, S., 240.
Brewbaker, H. E., 113.
Brewster, R. H., 359.
Brezina, R., 168, 174.
Brezinšćak, M., 250.
Brian, A. D., 57.
Brian, M. V., 57.
Brian, P. W., 352.
Brichet, J., 198.
Brichta, H., 328.
Bridgmon, G. H., 64, 122, 261.
Brien, R. M., 71.
Brierley, Ph., 71, 259, 262, 266.
Brieskorn, C. H., 364.
Briggs, G. M., 28.
Brigham, W. T., 191, 194.
Brightwell, W. T., 13, 192.
Brimblecombe, A. R., 206, 250.
Brindley, T. A., 94.
Brindley, W. G., 94.
Bringhurst, R. S., 8.
Brink, G., 230.
Brinkerhoff, L. A., 267, 268.
Briza, K., 209.
Broadbent, L., 48, 67, 151.
Broadfoot, W. C., 78, 80.
Broatch, J. D., 273.
Brock, R. D., 118.
Brodell, A. P., 28, 313, 340.
Brodie, A., 328, 355.
Brodie, H. J., 23.
Brodie, R. N., 33.
Broese van Groenou, I. H., 250, 296.
Bromley, S. W., 234, 248.

- Brondegaard, V. J., 37, 80.
 Bronner, G., 113.
 Bronson, T. E., 67, 122, 123, 143.
 Brook, T. B., 316.
 Brooker, L. E., 250.
 Brooks, A. N., 191, 193.
 Brooks, A. R., 143, 147.
 Brooks, F. A., 197.
 Brooks, M., 240, 325.
 Brooks, R. M., 158.
 Brooks, R. O., 232.
 Broughall, F. G., 250.
 Brown, A. A., 221.
 Brown, A. C., 169, 309, 311.
 Brown, A. L., 32.
 Brown, A. M., 128.
 Brown, A. W. A., 42, 288, 303, 333, 335.
 Brown, B. A., 100.
 Brown, D. A., 90.
 Brown, D. S., 158.
 Brown, E. B., 38.
 Brown, F. C., 357.
 Brown, H. M., 82.
 Brown, I. L., 313.
 Brown, J. G., 145, 174, 268.
 Brown, L. R., 188, 237.
 Brown, M. E., 117.
 Brown, R. W., 332.
 Brown, R. Z., 59.
 Brown jr., W. L., 57.
 Brown, W. V., 351.
 Browne, F. G., 238, 240.
 Brownlee, G., 352.
 Bruce, D., 221.
 Brudin, L. D., 149.
 Bruehl, G. W., 25, 73.
 Bruer, H. L., 179, 180.
 Brugière, J. M., 10.
 Brun, J., 279.
 Bruner, S. C., 240, 321.
 Brunet, P. C. J., 42, 302.
 Brunner, E., 207.
 Brunner, H., 161, 290.
 Brunner, S. C., 276.
 Bruns, H., 57.
 Bruns, V. F., 31.
 Brunschweiler, J., 215.
 Bryan, D. E., 271.
 Bryan, W. C., 303, 327.
 Bryant, L. R., 33.
 Bryden, J. D., 294.
 Brysgalowa, W. A., 80.
 Bucha, H. C., 355.
 Buchanan, E. D., 18.
 Buchanan, R. E., 18.
 Buchanan, Th. S., 231.
 Buchholtz, W. F., 71, 185.
 Buchholz, A. B., 330.
 Buchholz, E., 215, 225.
 Buchli, H., 46, 321.
 Buchwald, N. F., 73, 80.
 Buckley, T. A., 338.
 Budanský, G., 221.
 Buddin, W., 151.
 Büch, C., 215, 239, 327.
 Bühler, C., 312, 317.
 Bülow, A. v., 307.
 Buendia, A., 333.
 Buettner, R., 296.
 Buffler, M., 28.
 Bugbee, R. E., 264, 322.
 Buie, T. S., 10.
 Bujakowitsch, N. G., 60, 247.
 Bukasov, S. M., 107.
 Bull, R. A., 224.
 Bullard, D., 105.
 Bullock, J. F., 315.
 Bullrich, K., 188, 306.
 Bunker, H. P., 322.
 Bunting, A. H., 272.
 Bunzli, G. H., 134.
 Buras, E. M., 268.
 Burbach, H. J., 32.
 Burchfield, H. P., 358.
 Burda, N., 147.
 Burden, J. H., 250.
 Burdick, E. M., 197.
 Burger, W., 361.
 Burger, W. C., 67, 135.
 Burges, H. D., 303.
 Burgess, A. C., 28.
 Burgesser, F. W., 113.
 Burgis, D. S., 34.
 Burgoyne, J. H., 221.
 Burk, V. F., 269.
 Burke, D., 120, 354.
 Burkhead, C. E., 28, 313.
 Burkholder, C. L., 169, 175, 176.
 Burleson, C. A., 267.
 Burlison, V., 254, 300.
 Burman, J. H., 190, 317.
 Burnett, G. F., 43.
 Burr, M., 71.
 Burrage, R. H., 73.
 Burrell, A. B., 169, 181, 186, 313, 359.
 Burroughs, D., 143.
 Burschel, P., 237.
 Burton, G. W., 37, 220.
 Burton, H. S., 352.
 Burton, J. C., 315.
 Burton, R. W., 10.
 Burts, E., 333.
 Burtt, E., 43.
 Busbey, R. L., 317, 352.
 Busch, L. V., 100, 118.
 Busch, Th., 147, 322.
 Bush, H. L., 113.
 Bush, R., 158, 175, 186, 190, 195, 313.
 Busnel, R.-G., 204.
 Bussart, J. E., 200.
 Bustinza, F., 352, 357.
 Buston, H. W., 352.
 Busvine, J., 287.
 Butcher, J. W., 234, 245.
 Butijn, J., 256.
 Butler, B. J., 231.
 Butler, E., 35, 192, 267, 269.
 Butler, E. E., 320.
 Butler, J. B., 296.
 Butler, M. L., 267.
 Butovitsch, V., 250, 296.
 Butt, F. H., 51, 121.
 Butterfield, H. M., 128, 192.
 Buttiker, W. W. G., 134.
 Button, D. J., 290.
 Butts, J. S., 118.
 Buxbaum, W., 207.
 Buzacott, J. H., 113, 301.
 Bylterud, A., 313.
 Bynum, E. K., 284, 285, 323.
 Bynum, W. M., 200.
 Byram, G. M., 221.
 Byrde, R. J. W., 161, 184, 186.
 Bystrowa, M. A., 113.
 Bytinski-Salz, H., 286.
 Caballero V., C., 48, 99, 140, 188.
 Cabral, A., 268.
 Cadman, C. H., 191, 195.
 Cadogan, J., 114.
 Caffrey, D. J., 5.
 Cafley, J. D., 231.
 Cain, J. C., 180.
 Cairaschi, A., 51.
 Caire, P., 214.
 Calavan, E. C., 197, 202.
 Caldecott, R. S., 77.
 Calderon, R., 274.
 Caldwell, J., 259.
 Caldwell, J. S., 48.
 Caldwell, R. M., 71.
 Calhoun, S. L., 269, 270, 272.
 Callaghan, J., 221.
 Callbeck, L. C., 102, 343.
 Callenbach, J. A., 96.
 Callen, H., 78.
 Calvert, O. H., 146, 153, 156.
 Calvo Sendino, B., 282.
 Calzecchi-Onesti, A., 193.
 Camacho, E., 275.
 Camacho Corrales, C. A., 274.
 Cameron, A. E., 200.
 Cameron, D. F., 306.
 Cameron, E., 322.
 Campacci, C. A., 80, 144, 157, 279.
 Campbell, I. J., 269, 272.
 Campbell, J. C., 102, 347.

- Campbell, L., 195.
Campbell, R. E., 286.
Campbell, W. A., 219, 225, 226.
Campos, T. A., 78.
Campredon, J., 250, 296.
Cañamas, R., 81.
Candida, F., 215.
Candura, G. S., 287.
Canham, A. E., 316.
Cannon, F. M., 107.
Cannon, O. S., 155, 156.
Cannon, R. C., 279.
Canova, A., 97, 113, 184.
Canter, H. M., 304.
Cantino, E. C., 21.
Capello, L., 14.
Capetta, G. B., 210.
Capozzi, A., 25, 124.
Cappleman, L. J., 269.
Capris, N., 210.
Caputa, J., 51, 239.
Carah, W. M., 10.
Carbajal, P., 250.
Carbonell, C. S., 43, 200.
Carbotti, S., 347.
Cardelle, G., 352.
Cárdenas, M., 198.
Cardenosa-Barriga, R., 215.
Carder, A. C., 338.
Cardon, P. V., 5.
Cardona, C., 193.
Cardwell, I., 154, 259.
Caréshe, L., 71, 281.
Carey, C. J., 163, 370.
Carlone, R., 182, 294.
Carlson, A. E., 28, 215.
Carlson, E. C., 147, 158, 315.
Carlson, H., 355.
Carlson, R. F., 192, 261.
Carman, G. E., 197, 200, 344.
Carmelo, M., 81.
Carne, P. B., 130.
Caroline, M., 60.
Caron, P. E., 357.
Caroselli, N. E., 248.
Carpenter, C. P., 364.
Carpenter, J. B., 275.
Carpenter, T. R., 184.
Carpentier, F., 43.
Carpentier, S., 272.
Carr, P. H., 18.
Carrasco, E. B., 80.
Carrell, W. S., 262.
Carrera, C. J. M., 186, 215, 225.
Carrera, C. M., 286.
Carrier, L. E., 264.
Carroll, J. C., 351.
Caruth, L. A., 333.
Carsner, E., 72, 319.
Carson, R. B., 137.
Carstens, M. W., 28, 256.
Carter, H. E., 353.
Carter, J. C., 230, 248.
Carter, J. F., 128.
Carter, O. R., 12.
Carter, R. H., 142.
Carter, W., 279.
Cartier, R. D., 144.
Cartwright, C. A., 73.
Cartwright, K. St. G., 228.
Caruel, M., 53.
Carvalho, J. C., 38.
Carvalho, J. C. M., 273.
Casalini, M., 368.
Casals, C. T., 124.
Casapieri, P., 345.
Casas-Campillo, C., 230.
Cash, E. K., 21.
Casida, J. E., 12, 15, 341.
Cass, J. S., 348.
Cass, L. M., 42.
Cass Smith, W. P., 118.
Cassell, R. C., 84.
Cassil, C. C., 205.
Castaño A., J. J., 274.
Castellani, E., 140, 202.
Castenmiller, G. M., 12.
Castillo, B. S., 136, 286.
Castronovo, A., 331.
Catalina, L., 166.
Catcheside, D. G., 7.
Cation, D., 175, 179.
Catts jr., E. P., 156.
Catzeffis, J., 269.
Caudri, L., 60.
Caujolle, F., 328.
Cayouette, R., 34.
Ceballos, G., 215.
Ceballos y Fernandez de Cordoba, G., 130.
Cecil, S. R., 303.
Cederman, J. A., 197.
Celino, M. S., 283.
Cenóz, H. P., 84.
Censi, G., 309, 360.
Cercos, A. P., 87, 331, 352.
Cerighelli, R., 283.
Cervantes, J., 92.
Cesaroni, F., 167.
Cevallos G., M. A., 277, 290.
Chaboussou, F., 42, 91, 92, 166, 188.
Chaboussou, M. F., 134.
Chabrolin, C., 89.
Chaffard, M., 203.
Chaffin, W., 33.
Chaiken, L. E., 232.
Chailakhyan, M. K., 12.
Chamberlain, D., 117.
Chamberlain, D. W., 118, 119.
Chamberlain, E. E., 67, 136, 180.
Chamberlain, G. C., 161, 169, 186, 210, 329.
Chamberlain, R., 106.
Chamberlain, W. F., 94, 344.
Chamberlin, F. S., 135.
Chamberlin, J. C., 115.
Chamberlin, W. J., 256.
Chambers, E. L., 93.
Chambers, V. H., 73, 347.
Champion, F. W., 278.
Chancogne, M., 359.
Chandler, S., 188.
Chandler, S. C., 41, 171, 177, 178, 204.
Chandler, S. E., 352.
Chandler, W. H., 12, 158.
Chandratna, M. F., 279.
Chang, P. I., 41, 347.
Channabasavanna, G. P., 286.
Chapman, E., 45.
Chapman, H. D., 156, 197.
Chapman, P. J., 167, 189.
Chapman, R. A., 328, 329.
Chapman, R. K., 25, 109, 143, 146, 193.
Chapot, H., 203.
Chard, A., 316.
Charitonow, G. A., 307.
Charles, J., 54, 184.
Charnat, P., 210.
Charpentier, L. J., 284, 285, 323.
Chartschenko, N. F., 307.
Chase, J. L. H., 25.
Chateau, R., 12.
Chatelier, P. A., 328, 331, 333.
Chatterji, N. C., 234, 279.
Chatterji, P. N., 234, 239, 299.
Chatterji, S., 290.
Chatters, R. M., 92.
Chattopadhyay, S. B., 85, 102, 141, 316.
Chaturvedi, P. L., 200.
Chaudhuri, R. P., 122.
Chauvin, R., 43.
Chaves Batista, A., 19, 286.
Chella, G., 140, 313, 328.
Chen, M. T., 284.
Chen, T. N., 347.
Cheo, P.-Ch., 146.
Chepil, W. S., 10.
Cheremisimov, N. A., 157, 158.
Cherewick, W. J., 78, 81.
Chernyshova, O. P., 98, 100.
Cherry, E., 312.
Chervenka, C. H., 36.
Chervenka, F., 256.
Chesalin, G. A., 28, 90, 335.
Chesnokov, N. S., 99.
Chester, K. St., 141, 371.
Chesters, C. G. C., 21.
Chevalier, A., 10, 28.
Chevaugon, J., 149, 272.
Chian, L. T., 282.

- Chiappelli, R., 338.
 Chiarelli de Gahan, A., 104.
 Chiaromonte, A., 43.
 Chiesa Molinari, O., 126.
 Childers, N. F., 182, 313.
 Childs, J. F. L., 196, 198.
 Childs, L., 181, 186.
 Chilton, S. J. P., 35, 276, 283, 284.
 China, W. E., 273.
 Chisholm, R. D., 313, 333, 341.
 Chittenden, E. T., 192.
 Chitwood, B. G., 105, 156, 265.
 Chitwood, G. B., 177.
 Chiu, S. F., 96.
 Chmutova, A. P., 255, 325.
 Chochrjakow, M. K., 19.
 Chona, B. L., 283, 285.
 Chong, M., 166, 318.
 Chopard, L., 42.
 Choquette, C., 333.
 Chorin, M., 152.
 Chorlton, R. W., 221, 307.
 Chouard, P., 77, 89.
 Choudhury, B., 142.
 Chow, C. Y., 347.
 Chowdhury, S., 81, 136, 198.
 Christ, E. G., 191.
 Christensen, C. M., 19, 78, 215, 290.
 Christensen, G. N., 250.
 Christensen, J., 91.
 Christensen, J. J., 19, 75, 85, 136.
 Christensen, L. D., 166.
 Christensen, S., 36.
 Christiansen, W., 10.
 Christie, J. R., 38, 73, 193, 198.
 Chrystal, R. N., 240.
 Chuginin, I. V., 243.
 Chuman, K., 276.
 Chupp, C., 141.
 Church jr., J. L., 17.
 Cialzeta, C., 84.
 Ciampolini, M., 140.
 Ciaravellini, L., 338.
 Ciccarone, A., 19, 38, 132, 140, 153, 154, 156, 158, 196, 211, 316, 328.
 Ciferri, R., 5, 16, 28, 37, 64, 75, 79, 89, 128, 132, 133, 141, 156, 159, 169, 215, 225, 227, 259, 265, 273, 277, 286, 328, 331, 333, 338.
 Cinelli, E., 346.
 Cinq-Mars, L., 158, 169, 182, 186, 332.
 Cinti, S., 140.
 Claésson, G., 218.
 Clancy, E. W., 318.
 Clapp, W. F., 297.
 Clara, F. M., 136, 277.
 Claridge, J. H., 109.
 Clark, A. M., 322.
 Clark, B. B., 10.
 Clark, E. E., 221.
 Clark, F., 134.
 Clark, F. E., 18.
 Clark, J., 57.
 Clark, L., 323.
 Clark, O. F., 199.
 Clark, P. G., 40, 190.
 Clark, S. F., 215.
 Clarke, J. R., 169, 313.
 Clarke, L. M., 169, 313.
 Clarke, M., 28.
 Clarke, R. W., 177.
 Clarke, S. A., 250.
 Clarte, R., 12.
 Claus, A., 338.
 Clausen, C. P., 305, 317.
 Clausen, R., 51.
 Clayton, C. N., 159, 174, 184.
 Clayton, E. E., 132, 133.
 Clegg, H., 32.
 Clements, A. N., 54.
 Cleveland, J., 216.
 Clifford, E. D., 232.
 Clifton, C. E., 1.
 Clinch, F. A., 156.
 Clinch, P. E. M., 110.
 Clivio, C., 368.
 Clore, W. C., 208.
 Clower, D., 17.
 Clymer, C. L., 297.
 Coaton, W. G. H., 46.
 Cobb, G. S., 39.
 Cobb, R. M., 111.
 Cochran, G. W., 65.
 Cochran, H. L., 149.
 Cochran, J. H., 173, 177, 204.
 Cochran, L. C., 168, 180.
 Cock, R. E., 37, 338, 360.
 Cockayne, E. A., 194.
 Cockerill, J., 231.
 Coe, D. M., 170.
 Çölaşan, U. E., 14.
 Coffman, C., 48.
 Coffman, F. A., 75, 76, 78.
 Cohen, G., 34, 338.
 Cohen, M., 73, 119, 120.
 Cohen, S. I., 186, 313.
 Cohn, V., 81.
 Cohrs, P., 364.
 Coit, J. E., 200.
 Coiteux, F., 114.
 Coker, E. G., 60, 168.
 Cokley, K., 250.
 Colaco, A. T. F., 41, 69, 322.
 Colamaria, F., 126.
 Colasito, J., 352.
 Colberg, W. J., 290, 305.
 Cole, J. R., 204, 227.
 Cole, T. V., 105, 317.
 Coleman, O. H., 86.
 Coleman, R. E., 282.
 Coles, L. W., 130, 347.
 Collier, B. L., 12.
 Collingwood, C. A., 57, 184, 333.
 Collins, T., 234.
 Collomb, C., 360.
 Collyer, E., 163, 322.
 Colman, E. A., 218, 221.
 Colowick, S. P., 22.
 Coltrin, L., 120.
 Comegys, W. R., 149.
 Commoner, B., 66, 135.
 Commun, R. L., 273.
 Compton, C. C., 347.
 Conci, C., 188.
 Condon, M. Z., 288.
 Conge, L., 36.
 Conkle, H. J., 105.
 Conklin, J. G., 248, 333.
 Conley, B. E., 347, 364.
 Connell, W. A., 156.
 Connors, I. L., 3, 71, 74, 329.
 Connola, D. P., 353.
 Connolly, P. J., 60, 234.
 Conover, R. A., 154.
 Conrad, F., 341.
 Conrad, W., 168.
 Conroy, R. J., 38.
 Conway, E. M., 297.
 Conway, T., 158.
 Cook, A., 275.
 Cook, C. W., 32.
 Cook, H. H., 147.
 Cook, J., 10.
 Cook, L. F., 221.
 Cook, M. T., 21.
 Cook, P. M., 43.
 Cook, S., 31.
 Cook, W. H., 289.
 Cooke, W. B., 23.
 Cookson, E. D., 231, 297.
 Cooley, C. E., 200.
 Cooley, J. S., 256, 276.
 Coomber, H. E., 352.
 Coombes, S. N., 338.
 Coomey, M. J., 264.
 Coon, B. F., 92, 290.
 Coon, J. M., 364.
 Coons, G. H., 113, 116.
 Coony, J. J., 196.
 Cooper, A. S., 268.
 Cooper, B. A., 364.
 Cooper, D. J., 360.
 Cooper, J. F., 200.
 Cooper, R. W., 221.
 Cooper, W. E., 272.
 Cooreman, J., 40, 322.
 Coper, H., 364.
 Coppenet, M., 12.
 Coppier, O., 316.

- Coppock, J. B. M., 231, 297.
Corda, M., 349.
Corddry, M. U., 10.
Cordner, H. B., 8, 276.
Cordón, F. M., 135, 304.
Cords, H. P., 136.
Cordukes, W. E., 10.
Cordy, C. B., 169, 181.
Corey, R. R., 350.
Corkins, J. P., 126, 130, 333, 347, 352.
Cormack, M. W., 25, 124.
Cormio, R., 297.
Cornelius, D. R., 232.
Corns, W. G., 338.
Cornuet, P., 259.
Coronado Padilla, R., 42.
Corrin, W. R., 315.
Cortés I., A., 121.
Cortés P., R., 163, 317.
Corvin, A., 60.
Cory, E. N., 51, 94, 260, 263, 317.
Cosolo, A. G., 177.
Cossette, M., 314.
Cossitt, F. M., 232, 357.
Costa, A. S., 65, 153, 203, 285.
Costantino, G., 140, 200, 212.
Coste, C. D., 233.
Cotta, A., 28, 204.
Cottier, W., 266.
Cotton, R. T., 290.
Coulam, J., 46.
Coulson, J. G., 186.
Coulter, L. L., 338, 356.
Count, R. D., 256.
Coupland, R. T., 37, 129.
Courshee, R. J., 159.
Courtney, W. D., 256, 261.
Court, A., 169.
Coutin, R., 188, 190.
Couturier, A., 51, 114.
Covas, L., 212.
Cowan, S. T., 7.
Cowart, F. F., 269.
Cowing, J. A., 51.
Cox, C. E., 25, 26, 71, 141, 149, 152, 153, 259, 343, 344.
Cox, E. G., 136.
Cox, H. A., 250.
Cox, J. A., 177.
Cox, M. B., 28, 29.
Cox, R. G., 250.
Cox, R. S., 21, 25, 119, 151, 231.
Crafts, A. S., 64.
Craig, B., 28.
Craig, F. W., 231.
Craig, H. A., 28, 32.
Craig, R., 41.
Craighead, F. C., 215.
Crall, J. M., 117, 123, 124.
Cralley, E. M., 85, 118.
Cramer, H. H., 243.
Cramer, O. P., 221.
Crandall, B. S., 71, 149, 198, 266, 286.
Crane, H. L., 204, 205, 278.
Crawford, C. L., 13, 77, 118.
Crawford, F. S., 250.
Creasy, L. E., 360.
Creighton, W. S., 57.
Cremer, E., 341.
Cremer, M., 107.
Crescimano, F. G., 197, 198.
Crespo, J. A., 215.
Crèvecoeur, A., 57.
Crim, R. F., 28.
Cripopoulos, P. D., 154.
Crittenden, H. W., 121, 149.
Croissant, O., 65, 259.
Crom, R., 364.
Cromer, D. A. N., 221.
Cronshey, J. F. H., 314, 329, 332.
Crook, S. R., 34.
Crooke, M., 41.
Crooks, D. M., 37.
Crosbie, C. J., 360.
Crosby, J., 105.
Crosier, W. F., 10, 314.
Crosse, J. E., 175, 184.
Crowder, J. T., 118, 294.
Crowdy, S. H., 184, 357.
Crowell, H. H., 335.
Crownover, R., 175, 326.
Crowson, R. A., 50.
Croxall, H. E., 484.
Cruchet, P., 175, 259.
Cruikshank, I. A. M., 119, 136.
Cruzado, H. J., 340, 356.
Cubbedge, R. H., 199.
Cuevas, C., 274.
Cuillé, J., 169, 279, 357.
Cullinan, F. P., 12.
Cumber, R. A., 136, 143, 322.
Cummins, G. B., 23, 265, 266.
Cunningham, G., 94.
Cunningham, G. H., 329.
Cunningham, H. S., 101.
Cunningham, J. C., 4, 75.
Cupples, H. L., 352.
Curl, L. F., 272.
Currier, H. B., 338.
Curtis jr., O. F., 28, 161.
Curtis, P. J., 352.
Curwood, J. E., 259.
Cuthbertson, E. G., 32, 347.
Cutkomp, L. K., 94, 301, 302, 333, 346.
Cutler, G. H., 124.
Cutright, C. R., 40, 163, 167, 173, 189, 322.
Cutter, V. M., 228.
Cutter jr., V. M., 19, 23, 24, 226.
Cuzin, J., 135.
Czaja, A. T., 16, 297.
Czech, M., 371.
Da Costa Lima, A., 48.
Da Costa Neto, J. P., 21, 272.
Da C. Paixao, J., 355.
Da F. Ferrao, A. P. S., 274.
Da Fonseca, J. P., 274.
D'Aguilar, J., 96, 304.
Dahl, A. O., 30.
Dahm, P. A., 126, 127.
Dahms, R. G., 48, 92, 291, 334.
Dahne, B., 262.
Daigo, Y., 218.
Daines, R. H., 175, 180.
Dale, J., 60.
Dale, J. M., 19.
Dale, W. T., 282.
Dalleinne, E., 315.
Dallimore, C. E., 114.
Dallyn, S. L., 8.
Dalmaso, G., 207, 210.
Dal Monte, G., 91, 291.
Daly, J. M., 19.
Dame, F., 204.
Dana, B. F., 122.
Daniels, L. B., 105, 258.
Danielson, L. L., 157, 192.
Dantas, B., 273.
Dantas, J. G., 269, 272.
Da Ponte, A. M., 355.
Darby, J. F., 65, 109, 119.
Darchen, R., 302.
Dark, J. C., 271.
Darley, E. F., 277, 286.
Darling, H. S., 272.
Darpoux, H., 1, 7, 18, 79, 81, 184, 204, 317, 352.
Darrow, G. M., 193.
Darst, E. E., 256.
Das Gupta, N. N., 65, 136.
Da Silva, A., 352.
Da Silva, A. R., 81, 89.
Da Silva, N. A., 34.
Da Silva, S. G., 301, 330.
Da Silva, V. D., 309.
Da S. R. Goes, E., 243.
Dathe, H., 61, 325.
Daudin, J., 279, 280.
Daulton, A. C., 360.
Daulton, R. A. C., 38, 134.
D'Ausilio, G., 108.
D'Ausilio, M., 42, 140.
Davialt, L., 234, 250, 255.
Davich, T. B., 122.
David, A., 364.
David, P. A., 286.
David, W. A. L., 123, 344.
Davidow, B., 364.

- Davidson, A. G., 228.
Davidson, J., 169.
Davidson, J. G., 338.
Davidson, J. H., 181, 192.
Davidson, O. W., 12, 13, 174.
Davidson, R. H., 38.
Davidson, R. S., 87.
Davidson, R. W., 238.
Davidson, T. R., 110, 153.
Davidsson, I., 37, 73, 329.
Davies, G. M., 37.
Davies, R. P., 37.
Davis, A. C., 169.
Davis, B. H., 7.
Davis, C., 221.
Davis, D., 18.
Davis, D. E., 61.
Davis, E. W., 110.
Davis, F. L., 12.
Davis, G. N., 98.
Davis, J. C., 167.
Davis, J. J., 94.
Davis, J. M., 360.
Davis, L. H., 141, 303.
Davis, M. B., 9.
Davis, R. L., 124.
Davis, S. H., 100, 128, 215, 332.
Davis jr., S. H., 158.
Davis, V. H., 313.
Davison, R. M., 197.
Davydov, P. N., 192, 320.
Davydovich, S. S., 128.
Dawson, J. C., 287.
Day, B. E., 198.
Day, L. H., 163, 175.
Day, M. F., 301, 302.
Day, V. F. P., 256.
Day, W. R., 218.
De, M. L., 65, 136.
De A. Guimaraes, J., 240.
De A. Leite, E., 57.
Dean, A. R., 253.
Dean, G., 221.
Dean, H. A., 269, 270.
Dean, J. D., 267.
Dean, R. W., 167, 188.
De Andrade, A. C., 154, 279.
De A. Noronha, E., 19.
Dearden, E. R., 24.
Dearness, J., 264.
Deay, H. O., 93, 95, 363.
DeBach, P., 200, 317, 322.
De Baun, R. M., 225, 228.
Deberti, M. J., 228.
De Biezanko, C. M., 54.
De Boer, K., 69.
Debor, H. W., 158.
De Bros, E., 243.
De Bruyn, H. L. G., 21.
De Bruyn Ouboter, M. P., 65, 360.
De Carvalho, T., 102, 154, 198.
De C. Gondim, E., 309.
Decker, G. C., 91, 95, 329.
Decker, Ph., 154.
Deems, R. E., 154, 345.
De Epalza, T., 240.
De Espinosa, L., 211.
De Figueiredo jr., E. R., 263.
De Fluiter, H. J., 123, 195.
Defne, M., 221.
De France, J. A., 338.
De Freitas, H., 287.
De G. Cabral, R. V., 23.
De Gryse, J. J., 234.
Deighton, F. C., 22, 71.
De Jong, C., 169.
De Jong, D. J., 165, 188.
De Jong, P., 281, 343.
De Jong, W. H., 289.
De Jonge, C., 162, 187, 188, 190.
De Kerstrat, H., 140.
De la Puente, J. M., 233.
De la Torre R., G., 334.
Del Bosque, A., 221.
Del Bosque Flores, R., 334.
Del Campo, E., 140.
Del Cañizo, J., 158.
Del Cañizo Gomez, J., 91.
De Leeuw-Polak, B., 360.
De Lemos-Pereira, A., 144.
Delević, B., 102.
De Ley, J., 18.
Delgado M., N., 92.
Delisle, R., 247.
Delitala, A., 175, 182.
Della Barba, L., 28, 81.
Della Beffa, G., 105, 158.
Delle Coste, A. C., 28, 355.
Delmas, H. G., 159.
Delmas, J., 105.
Delmas, R., 43.
Delong, D. M., 48.
De los A. Meléndez, M., 119.
Delp, Ch. J., 210.
Del Rivero, J. M., 334, 364.
Delver, P., 12.
Delvi, M. H., 129, 295.
Delwiche, C. C., 135.
De Mallmann, R. J., 116.
De Man, J. G., 38.
Demaree, J. B., 192, 195, 207.
De Mas Solanes, R., 208.
De Mello, A. T., 61, 343.
Dement'eva, M. I., 173.
Démétriadès, S. D., 22, 70, 207, 208, 268.
Deming, G. W., 113.
De M. Morais, A., 274.
Demuth, G., 341.
Den Boer, W., 153.
Den Dulck, P. R., 17.
Denise, J., 352.
Denisen, E. L., 145.
Denninger, C., 37.
Dennis, N. M., 291.
Dennis, R. W. G., 23.
Dennison, R. H., 338.
Den Shen Tu, 87.
Deodikar, G. B., 75.
De Oliveira e Sousa Melo, J., 347.
De Ong, E. R., 357.
De Rege, F., 89, 338.
De Regt, N. A., 169, 194.
De Rezende-Pinto, M. C., 144.
Déribéré, M., 360.
Derick, R. A., 75.
Derico, T. R., 37.
De Rojas Peña, E., 100.
De Ropp, R. S., 8, 18.
De Rosa, M., 177, 204.
De Rose, H. R., 34.
De Rouze, I., 317.
Derrrough, R. V., 41.
De Ruiter, D., 152.
Dervichian, D. G., 65.
De Sacy, S. R., 243.
Desclaude, G., 89.
Desfarges, P., 238.
Deshusses, J., 213.
De Smedt, A., 314.
De Sousa da Camara, E., 19.
Dessens, H., 14.
De Stevens, G., 228.
De Stigter, H. C. M., 149.
Deter, 89.
Detroux, L., 90.
De Urries, M. J., 81.
De Vasel, C., 143, 256.
De Vay, J. E., 75.
Dever, D. A., 177.
De Viguerie, P., 161, 169, 371.
De Vries, D. M., 32.
De Vries, Th., 12.
De Wall, H., 182.
Dewerth, A. F., 256.
Dewey, J. E., 188.
De Wilde, J., 364.
De Winkelried Bertoni, A., 169.
DeWolfe, Th. A., 286.
De W. Walker, E., 10.
De Zeeuw, D. J., 82, 117.
Dhande, G. W., 18, 124, 157, 286.
D'Herde, J., 106.
Diachun, St., 7, 133.
D'iakova, G. A., 161.
Dias, H., 210.
Dias, H. F., 151.
Di Caro, S., 184.
Dick, J., 284.
Dick, J. B., 268.
Dickason, E. A., 126.
Dicke, F. F., 94.

- Dicke, R. J., 347.
Dicker, G. H. L., 50.
Dickerson, R. L., 360, 371.
Dickson, J. G., 23, 87.
Dickson, R. C., 149, 200.
Dieckmann, 291.
Diedler, C., 107.
Diéguez Castro, J., 278.
Diehl, 297, 312.
Diehl, W. W., 175.
Dierick, G. F. E. M., 40, 357.
Dietrick, E. J., 200, 322.
Dietz, S. M., 157.
Diggle, W. M., 364.
Dighe, P. Y., 352.
Dijkman, M. J., 275.
Di Lauro, B., 12, 27, 305, 343, 360.
Diller, V. M., 117, 351.
Dillon, J. C., 221.
Di Martino, E., 200.
Dimitrov, Z., 134.
Dimock, A. W., 71, 256, 259, 260, 264, 265, 332, 334.
Dimond, A. E., 8, 25, 66, 68, 135, 154, 231, 258, 329.
Di Nasso, A., 146.
Dinelli, D., 346, 347.
Dingley, J. M., 22, 71.
Dion, A., 144.
Dionne, G., 28.
Dipler, R. V., 279.
Dirsh, V. M., 43, 272.
Ditman, L. P., 91, 94, 121, 123.
Dittmar, W., 326.
Dixon, R. D., 297.
Dixon, S. E., 147.
Dmitriev, G. V., 92.
Dmitriev, V. S., 34.
Do Amaral, J. F., 71, 154, 274.
Do Amaral, S. F., 16.
Dobbins, T. N., 273, 279, 349.
Dobbs, C. G., 227.
Dobričanin, I., 360.
Dobrovsky, T. M., 134.
Dobrowskij, B. W., 215, 234.
Dobrzański, B., 307.
Dodd, A. H., 341.
Dodge, B. O., 297, 320.
Doecke, H. T., 61.
Dölger, F. W., 297.
Dörr, H., 355.
Doetsch, J. F., 271.
Dogger, J. R., 269.
Doignon, P., 221.
Doke, G., 85.
Dolnin, V. P., 143.
D'Oliveira, B., 81.
Dombrowskij, W. W., 62.
Domenichini, G., 200, 322.
Domenjoz, R., 345, 368.
Domínguez García-Tejero, F., 112.
Dominick, C. B., 134.
Domnröse, W., 107.
Donà delle Rose, A., 112, 113.
Donald, C. M., 124.
Donis, C., 216.
Doolittle, S. P., 142, 156, 329.
Dorsman, C., 10, 12.
Dorst, H. E., 156.
Doddall, L., 256.
Dosse, G., 138, 147.
Doty, D. M., 12, 118.
Doty, R. E., 284.
Dotzenko, A. D., 34.
Dougherty, E. C., 38.
Doughty, J. L., 9.
Douglass, W. A., 93.
Douglass, J. R., 121.
Dougll, K. M., 54.
Doutt, R. L., 266, 279, 322.
Dovaston, H. F., 334.
Downie, A. R., 113.
Downing, G., 364.
Downing, G. R., 37.
Downing, M. H., 303.
Downing, R., 28.
Downing, R. S., 167, 357.
Dowson, W. J., 18, 102.
Doxtator, C. W., 113.
Doyle, J. A., 221.
Dozier, B. H., 52.
Drachovská-Šimanová, M., 114.
Drager, S., 177.
Drake, R. J., 204.
Drapal, 301.
Draper, C. I., 364.
Drees, H., 1, 102, 107, 368, 371.
Drensky, P., 50.
Dresner, E., 320, 352.
Drews, E., 291.
Dreyer, A. F., 154.
Driver, Ch. H., 230.
Drouillon, R., 272, 273.
Drummond, J. W. R., 222.
Drury, H. G., 344.
Dubinevich, B. N., 118.
Dubois, P., 344.
Dubslaff, H., 10.
Du Buy, H. G., 65.
Du Chanois, F. R., 349.
Du Charme, E. P., 197, 198, 203.
Duché, J., 46.
Ducoortial, P., 98, 138, 334.
Duddington, C. L., 38, 320, 321.
Dudley jr., J. E., 67, 122, 123.
Dudnik, A., 158.
Dünnebeil, H., 360.
Dürr, H. J. R., 163, 240, 344.
Duewell, H., 48.
Dugelay, A., 221.
Duggen, H., 151.
Dukelskaja, N. M., 62.
Dullum, N., 294.
Du Marchie Sarvaas, F., 309.
Dumas, P., 114, 204, 206.
Dumont, L., 37, 346.
Dunajew, K. A., 307.
Dunababin, T., 81.
Duncan, C. G., 250.
Duncan, C. H., 309.
Duncan, D. A., 338.
Duncan, D. P., 14.
Dunegan, J. C., 169, 175, 184, 186.
Dungan, D. R., 209.
Dungan, G. H., 76.
Dunham, E. W., 269, 270.
Dunham, R. S., 16, 28, 355.
Dunlap, A. A., 267.
Dunlap, W. H., 98.
Dunn, E., 107, 109.
Dunn, J. A., 122, 127.
Dupias, G., 23.
Du Plessis, S. J., 79, 210.
Dupree, M., 121, 269.
Dupuy, R., 234.
Duque, J. P., 274.
Durand-Gasselin, L., 207.
Durante, O., 210.
Durinow, S. A., 239.
Durr, H. J. R., 297.
Durrell, L. W., 32.
Durst, J., 225, 233.
Duschek, S., 247.
Duspiva, F., 344.
Dustan, G. G., 177, 329.
Du Tilly, H., 61.
Du Toit, J. J., 276.
Dutt, M. K., 43.
Dutt, N., 262.
Dutt, N. L., 282, 283.
Dworkin, Z. Z., 291.
Dwyer, R. E. P., 274.
Dwyer, W. W., 228.
Dye, D. W., 18.
Dykes, J. C., 10.
Dyssegaard, A., 61.
Eads, C. O., 237, 266.
Eames, A. J., 16, 355.
Earhart, R. W., 73, 85.
Earle, T. T., 37.
Earley, D., 156, 271.
Easter, S., 287.
Easterbrook, B., 37, 347.
Easton, A. M., 50.
Eastop, V. F., 48, 49.
Eaton, C. B., 236, 237, 313, 360, 363.

- Eaton, J. K., 357.
 Ebben, M., 72.
 Ebbmar, M., 28.
 Ebeling, W., 149, 200, 266.
 Eberle, G., 327.
 Ebner, R., 43.
 Eechu, K., 251.
 Eckardt, O., 291.
 Eddy, B., 41, 322.
 Eddy, G. W., 364.
 Edel'man, N. M., 240.
 Edelmann, I. M., 306.
 Eden, W. G., 126.
 Edgecombe, S. W., 170.
 Edgerton, C. W., 71, 283.
 Edgerton, L. J., 183.
 Edmonson, H., 256.
 Edmonton, W. E., 313.
 Edmundson, W. C., 98.
 Edwards, C. R., 123.
 Edwards, E. E., 258, 371.
 Edwards, F. E., 360.
 Edwards, F. I., 144, 344.
 Edwards jr., F. I., 344.
 Edwards, G. R., 143, 144, 149, 156.
 Edwards, M. G., 352.
 Eeckhout, L., 250.
 Efimov, A. L., 329.
 Eggers, H., 53.
 Eggink, H. J., 89, 338, 357.
 Eglar, F. E., 28, 355.
 Eglit, A. K., 232.
 Egorova, G. N., 83.
 Ehlers, M., 307, 347.
 Ehrenberg, P., 129.
 Ehrenhardt, H., 16, 188, 259.
 Ehrle, L., 5.
 Eichelhardt, 297.
 Eichel-Streiber, H. v., 218.
 Eichler, Wd., 54, 56, 114, 115, 144, 341.
 Eickstedt, H. v., 169.
 Eide, P. M., 28, 147, 194.
 Eidmann, H., 240.
 Einset, O., 169.
 Eisa, E. A., 302.
 Eisenmann, E., 250.
 Eisenstark, A., 175, 326.
 Ejsing, G., 56, 100, 102, 181, 182, 184.
 Ejtingen, G. R., 307.
 Ekholm, S., 334.
 Ekstrand, H., 85.
 Elagin, I. N., 308.
 Elam, F. L., 28.
 Elbe, 287.
 Elder, W. C., 33, 34, 89, 129, 338.
 Elias, N. A., 133.
 Eliason, E. J., 232.
 Eliescu, G., 241.
 Elishevitz, H., 360.
 Ellenby, C., 105.
 Ellender, A. J., 10.
 Ellenwood, C. W., 161.
 Ellern, A., 125.
 Ellertson, F. E., 177.
 Ellickson, J. C., 14.
 Elliott, C., 18.
 Elliott, E. S., 125.
 Elliott, F. C., 267.
 Elliott, M., 352.
 Ellis, B. A., 341.
 Ellis, D. E., 131, 150, 151.
 Ellis, E. A., 19, 69.
 Ellis, F. W., 357.
 Ellis, H., 35, 126, 320, 327.
 Ellis, J. P., 19.
 Ellis, M. B., 19.
 Ellis, P. E., 43.
 Ellison, J. H., 101.
 Ellwood, E. L., 297.
 Elmer, H. S., 200.
 El-Mistikawy, A. M., 269.
 Elmore, J. C., 286.
 El Shafie, B. B., 43.
 Elting, J. P., 301, 302.
 Elton, E. T. G., 69, 234, 245.
 Elton, J. W., 313.
 Ellwell, H., 28, 29.
 Ellwell, H. M., 28.
 El-Zoheiry, M. S., 269, 334, 364.
 Emerson, F., 209.
 Emery, G. A., 334, 347.
 Emge, R. G., 150, 191, 267.
 Emilsson, B., 98, 102, 104.
 Emmert, E. M., 346.
 Empey, W. A., 288.
 Empson, 143.
 Emrich, 364.
 Emrich, E., 177.
 Emrovič, B., 251.
 Endo, S., 276.
 Endrigkeit, A., 147.
 Endrödi, S., 239.
 Endt, R. vom, 213.
 Enebo, L., 228.
 Engel, 123, 338.
 Engel, H., 43, 107.
 Engel, R. E., 100, 128, 332.
 Engelhard, J., 250.
 Engelmann, H., 89.
 Engledow, R. A., 256.
 Engler, V., 352.
 English, H., 175.
 English, L. L., 264, 266.
 English, M. P., 193.
 English, W. H., 206.
 Enkerlin, D., 54, 121.
 Ennis jr., W. B., 338.
 Enns, W. R., 194, 269.
 Eppig, J. J., 316.
 Epps, J. M., 124.
 Epps, W. M., 25, 150.
 Erden, R., 215, 240.
 Erdtman, H., 225.
 Ergle, D. R., 267.
 Erickson, L. C., 197.
 Erikson, A. E., 317.
 Ernould, L., 112, 115, 116.
 Ernst, E., 29, 46, 306.
 Escobar y Córdoba, J., 81.
 Escritt, J. R., 339.
 Esdorn, I., 8.
 Esfandiari, E., 19.
 Espenas, L. D., 250.
 Essig, E. O., 48, 73.
 Etchells, J. L., 150.
 Ettlinger, L., 352.
 Evanko, A. B., 33.
 Evans, G. R., 270.
 Evans, H., 273, 339.
 Evans, J. W., 48, 61, 287.
 Evans, R. B., 364.
 Evans, S., 34, 141.
 Evenhuis, H. H., 190.
 Evenius, 370.
 Everist, S. L., 33, 34.
 Everly, R. T., 130.
 Everson, L. E., 16, 355.
 Everts, A. B., 221.
 Every, R. W., 177, 234.
 Evstropov, I. I., 368.
 Ewart, G. Y., 329.
 Ewart, W. H., 199, 200, 344.
 Ewer, D. W., 45.
 Ewing, K. P., 269, 271.
 Ext, W., 2, 130, 147, 289, 360, 364, 368, 371.
 Eyer, J. R., 334.
 Eyster, W. H., 39.
 Ezell, B. D., 277.
 Faan, H. Ch., 64, 150.
 Fabbri, A., 77, 136.
 Faber, J., 214.
 Faber, W., 50, 51, 107, 327.
 Fabiani, L., 289.
 Fabre, R., 329.
 Fabricatore, J. A., 25, 101, 262.
 Fabris, A., 75.
 Fagundes, F. C., 312.
 Fahey, J. E., 163, 344, 364.
 Fahnestock, G. R., 221.
 Fahney, 238, 239, 347.
 Fahringer, J., 322.
 Fairbank, W. H., 222.
 Fairbanks, G. E., 339.
 Faivre-Amiot, A., 18, 79, 81, 184, 317.
 Fajersson, F., 81.
 Falch, J., 294.

- Falcone, M. A., 301.
Falconnier, G., 51.
Fales, J. H., 302, 313, 334, 352.
Falkenschtejn, B. J., 243.
Fall, J., 192.
Fallis, K. E., 29.
Fang, S. C., 118.
Fankuchen, I., 65.
Fantini, G., 346.
Farina, M., 169.
Farmer, S. F., 309.
Farrar, M. D., 271, 272.
Farrell, E. P., 292.
Farrer, R. P., 232.
Farrow, W. M., 227.
Fassi, B., 352.
Fassuliotis, G., 105, 106.
Favard, P., 98.
Faver, A. R., 265, 326.
Favilli, R., 127.
Favreau, A., 334.
Favret, E., 84.
Faxon, R., 309.
Fearon, B. H., 222.
Feaster, C. V., 119.
Feder, W. A., 8, 263.
Fedón, C., S. A., 277.
Fedoritschik, N. S., 10, 198, 318.
Fedrizzi, G. B., 212.
Feinstein, L., 135.
Feldman, A. W., 248.
Feldmesser, J., 105, 106.
Felix, E. L., 332.
Fellows, H., 97, 131.
Fenili, G. A., 140, 177.
Fenjves, P., 240, 334, 365.
Fennah, R. G., 46.
Fenner, S. B., 73, 118, 133, 156.
Fenne, C. G., 16.
Fenton, F. A., 92, 96, 121, 269.
Fenwick, D. W., 38, 105.
Fergus, Ch. L., 230.
Ferguson, F. F., 348.
Ferguson, H. C., 339.
Ferguson, I. A. C., 64.
Ferguson, J., 258, 316, 329.
Ferguson, M. H., 34, 39, 304.
Ferguson, W., 306, 339.
Fernand, 181.
Fernandes, C. T., 204.
Fernandez Valiela, M. V., 215.
Fernandez Yopez, F., 240.
Fernando, H. E., 302.
Feron, M., 165.
Ferraguti, A., 163, 188, 190.
Ferrand, M., 277.
Ferree, R. J., 173.
Ferrière, Ch., 43, 188, 245, 322.
Ferris, C., 222.
Ferris, C. A., 204.
Fertig, S. N., 29.
Feuchter, 125, 130, 309.
Feuerstein, W., 326.
Feytaud, J., 46, 297.
Fice, K., 243.
Fich, C., 186.
Ficht, J. P., 339.
Fichtner, G., 87.
Fidler, J. H., 48.
Fiedler, O. G. H., 347.
Fielding, A. H., 22, 161.
Fielding, J. M., 27.
Fielding, M. J., 38.
Fiero, J. B., 334.
Fife, L. C., 270.
Filipenko, I. M., 210.
Filipponi, A., 53, 322.
Filmer, R. S., 94, 317.
Findlay, W. P. K., 225, 231, 232, 250, 297.
Findlen, H., 100.
Finger, H., 12.
Finholt, R. W., 250.
Fink, H. C., 159, 175, 180, 184.
Finkelglus, A. M., 41, 334.
Finlayson, L. H., 322.
Finley, A. M., 26.
Finn, T. P., 355.
Finnegan, J. K., 344.
Fiori, G., 105, 188.
Fiorito, G., 158.
Fischer, C. W., 16, 256.
Fischer, G. J., 81.
Fischer, G. W., 4, 23, 71, 128, 129, 157, 220.
Fischer, H., 12, 87, 161, 294.
Fischer, R. G., 67.
Fischer, W., 329, 342, 343.
Fischer-Rellingen, 37, 294.
Fischetti, D. L., 92, 314.
Fischnich, O., 100.
Fisher, C. E., 36.
Fisher, D. F., 295.
Fisher, D. V., 294.
Fisher, E. H., 124.
Fisher, F. E., 200, 321, 322.
Fisher, F. L., 268.
Fisher, H. H., 120, 123.
Fisher, R. C., 245.
Fiske, J. G., 29.
Fitzgerald, O. A., 29, 222, 250, 297.
Fitzgerald-Lee, F., 10.
Fitzhugh, O. G., 61.
Fitzpatrick, H. M., 22.
Fitzpatrick, R. E., 191, 195.
Fitzwater jr., W. D., 61, 329.
Fjeldalen, J., 98, 141, 163, 169, 177, 191, 256, 259, 329, 342, 365.
Flanders, S. E., 57, 200, 322.
Fleischmann, C., 141.
Fleming, C. A., 17.
Fleming, R., 360.
Fleming, W. E., 51, 130, 347.
Flemion, F., 47, 158.
Flenner, A. L., 344.
Fleschner, C. A., 200, 322.
Fletcher, F. W., 234.
Fletcher, P., 16.
Fletcher, W. A., 196.
Flieg, O., 16.
Flint, W. P., 41, 324.
Flipse, L. P., 161.
Flitters, N. E., 263.
Flock, A., 358.
Flock, R. A., 301.
Flor, H. H., 136.
Flores, M. A., 285, 286.
Flores Cáceres, S., 282, 283.
Florey, E., 41, 329, 334.
Florov, D. N., 234.
Fluit, A. A. M., 29.
Fluke, C. L., 177, 188.
Focaccia, S., 347.
Fogl, E. R., 297.
Foghiani, G., 140.
Foister, C., 106.
Foley, F. B., 122.
Foll, S. C., 8.
Folsom, D., 101, 193.
Foltin, H., 243.
Folweiler, A. D., 241.
Fontaine, T. D., 354.
Fontalina, M. N., 77.
Foote, F., 197.
Forbes, R. S., 246.
Ford, H. W., 204.
Ford, J. E., 241.
Ford, J. H., 337.
Forel, A., 57.
Forgash, A. J., 334.
Forsberg, J. L., 261.
Forsyth, D. D., 16.
Forté, P. N., 58.
Fortney, B., 316.
Fortushnyi, V. A., 365.
Foschi, S., 79, 173, 175, 182, 188, 210.
Foster, A. A., 261.
Foster, A. C., 16, 142.
Foster, A. E., 261.
Foster, A. T., 215, 225.
Foster, G. H., 293.
Foster, H. H., 173.
Foster, J. H., 204.
Foster, R. E., 215, 225.
Foster, R. L., 29.
Foster, W. R., 71, 180.
Foulon, A., 301.
Fountain, H. S., 155.
Fowler, D. L., 152.
Fowler, M. E., 216, 230.

- Fox, B. C., 355.
 Fox, C., 10.
 Fox, H. W., 300.
 Fox, I., 318.
 Fracanzani, G. A., 73.
 Fracassi, G., 213.
 Fraenkel, G., 41, 291.
 France, A. E., 222.
 Franck, W. J., 314.
 Francke-Grosmann, H., 216, 218, 241, 245, 304.
 Franco, C. M., 65.
 Franco, E., 277.
 Frandsen, K. J., 126.
 Franěk, 137.
 Frank, F., 326.
 Frank, M., 158.
 Frank, M. B., 53, 290, 292.
 Franklands, H. M., 309.
 Franklin, M. T., 38.
 Franklin, W. W., 126.
 Frankton, C., 29.
 Fransen, J. J., 106, 234, 245.
 Franz, E., 274.
 Franz, H., 10.
 Franz, J., 234, 249, 318.
 Franzen, R., 301.
 Fraselle, J. V., 277.
 Fraser, A., 365.
 Fraser, D. D., 339.
 Fraser, G. R., 29.
 Fraser, L., 198.
 Fraymouth, J., 8.
 Frazier, N. W., 64, 195.
 Frazier, W. A., 122, 152.
 Frazier, W. C., 1.
 Frear, D. E. H., 1, 329, 332, 339.
 Frecha, J. H., 84.
 Frederick, L., 248.
 Frederiksen, P. S., 136.
 Frediani, D., 165.
 Freed, V., 29, 33, 192.
 Freed, V. H., 89, 118, 129, 169, 357.
 Freeman, C. G., 353.
 Freeman, I. E., 25.
 Freeman, J. A., 291, 297.
 Freerksen, E., 353.
 Frei-Müller, J., 327.
 Freiberg, M. A., 73.
 Freire, J. R. J., 276.
 Freitag, J. H., 214.
 French, D. W., 230.
 French, G. T., 309.
 French, R. A., 243.
 French, R. G., 85.
 Freudenberg-Rosendahl, G., 79.
 Frey, W., 138, 291.
 Frézal, P., 4, 81, 198.
 Frick, E. L., 162, 345.
 Frick, K. E., 56, 121, 143, 177, 212.
 Fricker, A., 59, 291.
 Frickhinger, H. W., 1, 51, 164, 291, 312.
 Friederich, J. C., 136.
 Friederichs, K., 322.
 Friedman, B. A., 149, 294.
 Friedrich, C. A., 222.
 Friedrich, G., 164, 169.
 Fries, N., 357.
 Friesen, H. A., 29, 36.
 Frigerio, J. C., 79, 118, 156.
 Frisch, 297.
 Fritz, C. W., 216.
 Fritz, E., 247.
 Fritzsche, R., 181, 182.
 Froede, O., 253.
 Fröhlich, G., 157.
 Frömming, E., 39, 40, 157, 256, 266, 287, 342.
 Frohberg, E., 59.
 Frohberger, E., 16.
 Froier, K., 136.
 Fronza, F. M., 89.
 Fronk, W. D., 279.
 Frosheiser, F. I., 110.
 Frost jr., M. H., 126, 150, 270.
 Frost, S. W., 188, 291.
 Fry, P. R., 67, 136.
 Fuchs, A., 29, 222.
 Fuchs, K., 130.
 Fuchslocher Thater, R., 102.
 Fühner, H., 365.
 Fürth, R., 59, 61.
 Fuji, T., 309.
 Fujii, 250.
 Fujikawa, T., 75, 119, 150, 276.
 Fukaya, M., 94.
 Fukazawa, N., 94.
 Fukuda, J., 163.
 Fukuda, N., 1.
 Fulkerson, J. F., 184.
 Fullaway, D. T., 166, 318, 323.
 Fullerton, A. W., 232.
 Fullmer, O. H., 270.
 Fulmer, R. S., 362.
 Fulton, H. G., 151.
 Fulton, J. P., 150, 154, 191.
 Fulton, N. D., 154.
 Fulton, R. A., 144, 202, 257, 313, 329, 334, 345, 360, 365.
 Fulton, R. H., 192, 193, 352.
 Fulton, R. W., 67, 68, 135.
 Fults, J. L., 18, 104.
 Funchess, M. J., 265.
 Furet, M. R., 369.
 Furman, D. P., 288.
 Furst, H., 329.
 Fushtey, S. G., 79.
 Gabotto, L., 27, 40, 81, 184, 188, 210, 212, 347.
 Gabriel, G., 169.
 Gad, A. M., 56.
 Gadd, W. E., 297.
 Gadenz, K., 218.
 Gäbler, H., 233, 234, 243.
 Gäumann, E., 1, 8, 9, 14, 23, 27, 204, 264.
 Gage, J. C., 344, 364.
 Gagnon, L. P., 129.
 Gagnotto, A.-V., 184, 210.
 Gaines, J. C., 43, 92, 126, 270, 271, 323, 334, 342, 360.
 Gajel, A. G., 308.
 Galachow, P. N., 92, 130, 344.
 Gale, G., 19.
 Galet, P., 207.
 Galetti, A. C., 29.
 Galichet, P., 243, 277.
 Galicia, D. F., 222.
 Galiulina, Z. A., 26.
 Gallay, R., 98, 159, 177, 210.
 Gallegly jr., M., 275.
 Gallegly, M. E., 142, 143, 169, 256.
 Galley, R. A. E., 334.
 Gallegmore, H. B., 78.
 Gallo, D., 73, 270.
 Galloway, A. G., 294.
 Gallowitz, K., 107, 360.
 Galoux, A., 218.
 Galvagni, A., 207.
 Gambaro, P., 190.
 Ganguly, A., 110.
 Ganong, R. Y., 109.
 Gante, Th., 147.
 Garber, R. H., 18.
 Garcés O., C., 128.
 Garcia, A., 344.
 Gardé, A., 27.
 Gardiner, B. O. C., 123.
 Gardiner, G., 37.
 Gardner, F. E., 197.
 Gardner, M. W., 156.
 Gardner, V. R., 1.
 Garduño, R., 334.
 Garese, P., 86, 339.
 Garg, D. N., 71.
 Garino-Canina, E., 210.
 Garman, P., 170, 177, 182, 190, 207, 310, 314.
 Garoglio, P. G., 213.
 Garrard, E. H., 18.
 Garren, K. H., 272.
 Garren jr., R. G., 174.
 Garrett, S. D., 19.
 Garrido Lozier, O., 210.
 Garriss, H. R., 132, 133.
 Garton, J. E., 169, 313, 360.
 Gasc Daireaux, A., 124.

- Gaskill, J. O., 113, 289.
Gasow, H., 327.
Gassaway, J., 338.
Gasser, R., 40, 52, 167, 359.
Gaßner, G., 2, 81, 99, 113, 305, 332, 343.
Gaßner, J. K., 12.
Gast, A., 177.
Gates, C. M., 197.
Gates, D. E., 92.
Gatin, A., 73.
Gatineau, M., 347, 365.
Gattani, M. L., 23, 154, 332.
Gaudchau, M. D., 59, 61.
Gaudineau, M., 78, 184.
Gaulden, M. E., 43.
Gauß, R., 318.
Gautheret, R., 80, 89.
Gautheret, R. J., 89, 209.
Gauthier, G., 169.
Gayford, G. W., 210.
Gayl, A., 218.
Gayler, 247.
Cayler, W., 216.
Geering, J., 112.
Geering, Q. A., 122.
Geete, E., 247.
Geier, H., 355.
Geier, P., 48, 164, 167.
Geiger, F. K., 250, 297.
Geiger, R., 219.
Geiges, L., 240.
Geigy, R., 46, 306.
Geiser, D. S., 38.
Geisler, E., 107, 138.
Geissler, H., 365.
Geiszler, G. N., 81.
Geliashovich, K., 308.
Gellatley, J. G., 121.
Gendron, Y., 116.
Génin, G., 357.
Gentile, A. C., 264.
Gentile, G., 169.
Gentilucci, T., 184.
Gentner, L. G., 167, 177, 181.
George, J., 299.
George, L., 316.
Georgescu, V., 241.
Gerber, R., 61.
Gerdemann, J. W., 26, 118.
Gerhardt, P. D., 200, 205, 277.
Germ, H., 27, 37, 124.
Gerneck, R., 52.
Gerrard, J., 175, 177.
Gerritsen, F. C., 353.
Gerritsen, C., 61, 163, 169, 318.
Gersdorf, E., 59.
Gertler, S. I., 333, 357.
Gertsch, M. E., 275.
Gesell, S. G., 256.
Gessel, S. P., 220.
Geyer, J. W. C., 46.
Ghabn, A. A. A. E., 150.
Gheorghianov, V., 81.
Ghidini, G. M., 112, 134, 334.
Chiglieri, F., 89.
Chillini, C. A., 69, 136, 157.
Ghose, S. N., 301.
Ghosh, J. J., 78, 291.
Ghosh, T., 301.
Giang, P. A., 344.
Giannotti, O., 177, 201, 348.
Giardullo, G., 210.
Giban, J., 61, 114, 365.
Gibberd, A. V., 273.
Gibler, J. W., 119, 304.
Gibson, K. E., 110.
Giddings, N. J., 65, 116, 156.
Giesecking, E., 250.
Giesius, A., 207.
Gigante, R., 64, 132, 133, 135, 174.
Gilbert, F. A., 12.
Gilead, H., 14.
Giliarov, M. S., 61.
Gill, L. S., 230.
Gillard, A., 256.
Gillwald, J., 250.
Gilman, H., 347.
Gilmer, R. M., 180.
Gilpatrick, J. D., 100, 118.
Ginet, J., 205.
Ginsburg, J. M., 94.
Giordano, G., 251.
Giove, D., 205.
Girginkoç, H. R., 113.
Girth, H. B., 234.
Gisiger, L., 101.
Giulianelli, E., 190, 334.
Giulimondi, G., 342, 345.
Gizycki, F. v., 79.
Gjaerum, H. B., 98, 141, 169, 184, 191, 259, 329, 332.
Gladenko, I. N., 365.
Glaesel, H., 234.
Gläser, H., 297.
Glarbo, P., 160.
Glass, E. H., 182, 188.
Glasser, R. F., 324.
Glebow, M. A., 234, 308.
Gleissner, B. B., 334.
Gleissner, B. D., 344.
Glemser, W., 165, 168.
Glen, R., 368.
Glen-Bott, J. I., 26.
Glendenning, R., 60, 73, 105, 151.
Glerum, J. Ch., 313, 360.
Glesius, A., 210.
Gliemeroth, 308.
Glock, W. S., 219.
Glöckner, G., 312.
Glover, L. C., 150.
Glowacki, J., 234, 327.
Godan, D., 138.
Godard, M., 14.
Godbout, E., 89.
Goddard, D. R., 152.
Godfrey, G. H., 142, 156.
Godske, C. L., 14.
Göhre, K., 251.
Görges, P., 33.
Görnitz, K., 54, 332.
Goertz, 240.
Gößwald, K., 46, 57, 235, 323.
Goetsch, W., 46, 57, 295.
Götz, B., 54, 207, 212, 213.
Goetz, K., 289.
Goffart, H., 38, 106.
Goggans, J. F., 228.
Goheen, A. C., 192, 249.
Goidanich, A., 43, 235.
Goidanich, G., 19, 23, 69, 73, 80, 81, 101, 113, 161, 173, 175, 182, 184, 186, 196, 198, 227, 297, 308, 369, 371.
Goin, C. J., 326.
Gokhale, V. P., 20, 23.
Gold, A. H., 65, 263.
Goldberg, M., 270.
Goldberg, R. E., 36.
Goldie-Smith, E. K., 21, 304, 321.
Goldin, M. I., 135.
Goldin, M. M., 297.
Goldsworthy, M. C., 169, 332.
Goldthwait, C. F., 268.
Gołębiowska, Z., 91, 96, 291.
Goltz, H., 148.
Gomes, J. G., 74.
Gomez, L., 222.
Gonçalves, C. R., 334.
Gonçalves, L. I., 73.
Gondo, M., 276.
Gonggrijp, J., 281, 357.
González Mendoza, R., 57, 274.
Good, H. M., 225, 228.
Goodchild, N. E., 37.
Goodey, J. B., 194, 261, 321.
Goodey, T., 38, 126.
Goodman, J. J., 291.
Goodwin, T. W., 43.
Goossen, 59, 98, 360.
Goossens, J., 151.
Gopalkrishna, N., 154.
Gopalkrishnan, K. S., 23, 34, 328, 343.
Gordon, D. V., 29.
Gorgström, G., 295.
Gori, C., 132.
Gorlenko, M. V., 75, 161.
Gorlin, P., 33.
Gorodetskaia, I. I., 347.
Gorschenin, N. M., 308.
Gorshkova, A. A., 36, 130.
Gorsler, A., 100.

- Gorter, G. J. M. A., 97.
 Gosh, T., 136.
 Goss, O. M., 118, 120.
 Goto, K., 78.
 Goto, S., 152, 276, 304.
 Gottlieb, D., 353, 354.
 Gouck, H. K., 93, 94.
 Gouin, F., 137.
 Gould, C. S., 89.
 Gould, Ch. J., 261.
 Gould, E., 16, 334.
 Gould, G. E., 73, 334.
 Gould, W. A., 16, 178.
 Gourlay, E. S., 235.
 Govenius, B., 257.
 Govi, G., 174, 177, 182, 184, 230.
 Govin, L., 287.
 Govindan, P. R., 153.
 Govinda Rao, P., 266.
 Govindu, H. C., 29.
 Grace, H. D., 222.
 Graddon, W. D., 22.
 Gradojević, M., 107, 243.
 Gräter, D. F., 210.
 Graeve, K., 365.
 Graf, E., 365.
 Graf, L. H., 68, 135.
 Graham, C., 169, 170.
 Graham, C. A., 232.
 Graham, F., 19.
 Graham, G., 189.
 Graham, J. H., 119, 124.
 Graham, J. J. T., 329.
 Graham, R. D., 253, 297.
 Graham, R. W., 123.
 Graham, S. A., 233, 235.
 Graham, T. W., 26, 37, 134.
 Grainger, J., 98.
 Gram, E., 106, 309.
 Gram, K., 217.
 Gran, C., 297.
 Grancini, P., 89, 97, 98, 110, 338.
 Granderath, F., 61.
 Grandfield, C. O., 123.
 Grandori, R., 107, 163, 164, 190, 291, 357, 371.
 Granett, P., 353.
 Grange, L. I., 10.
 Granger, 92.
 Granit, A. W., 237.
 Grant, Th. J., 203, 278.
 Grassé, P. P., 41, 46, 57.
 Grassl, C. O., 285.
 Grasso, V., 81, 173, 216, 230.
 Gratschew, A. G., 308.
 Grau, F. V., 128.
 Gravatt, G. F., 216.
 Graves, A. H., 205.
 Grayson, J. M., 41.
 Greathouse, C. A., 287.
 Greaves, C., 297.
 Greaves, T., 58.
 Grebenščikov, I., 4, 318.
 Grechkin, V. P., 224.
 Grechushnikov, A. I., 104.
 Green, D. E., 264.
 Green, G. J., 82.
 Green, H. B., 57, 177.
 Green, J. M., 268.
 Green, K. R., 339.
 Green, R. J., 157.
 Green jr., R. J., 157.
 Greene, H., 10.
 Greenham, C. G., 27.
 Greenleaf, W. H., 149.
 Greenslade, R. M., 319, 334, 336.
 Greenspan, F. P., 154.
 Greenwood, D. A., 364.
 Greenwood, D. E., 94, 194, 316, 317.
 Greenwood, M., 273.
 Grégoire, Ch., 326.
 Gregor, F., 55, 243.
 Gregory, P. H., 19, 230.
 Gregory, W. C., 273.
 Gregson, J. D., 246.
 Gremmen, J., 22.
 Greve, 29, 89.
 Grewe, F., 186.
 Grezkin, W. P., 235.
 Griebel, C., 277, 294, 303.
 Gries, G. A., 101.
 Griebenbeck, v., 247.
 Griffin, E. L., 334.
 Griffin, F. J., 46.
 Griffioen, K., 297.
 Griffiths, J. T., 196, 201, 202, 362.
 Griffiths jr., J. T., 202.
 Grigorjew, F. W., 308.
 Grigsby, B. H., 34, 37, 114, 129, 192, 347.
 Grimm, G. R., 23.
 Grimm, H., 99.
 Griot, M., 57, 318.
 Gripenberg, J., 353.
 Grishin, G. N., 143.
 Grison, P., 91, 107, 165, 190, 243, 245, 323.
 Grivanov, K. P., 117, 130.
 Grjasnow, A. N., 308.
 Grob, H., 40, 167, 359.
 Grodinsky, L., 102.
 Gröhler, K., 165.
 Groeneveld, C., 191, 194.
 Groenewegen, J. H., 154, 156.
 Grogan, R. G., 151, 276.
 Groh, 102.
 Gromovaia, E. F., 170.
 Gros, L. P., 59, 326.
 Groschke, F., 194, 239, 243.
 Grosjean, J., 175, 232, 312.
 Groskreutz, K. A., 289.
 Grosso, J. G., 133.
 Großbard, E., 353.
 Grove jr., A. R., 90.
 Groves, A. B., 182, 355.
 Groves, D. E., 329.
 Groves, J. R., 4, 165, 167, 189, 318.
 Groves, J. W., 175.
 Grümmer, G., 141.
 Grundmann, A. W., 246.
 Gruner, H. E., 293.
 Grunewald, R., 327.
 Guagliumi, P., 284.
 Gualaccini, F., 266.
 Guard, A. T., 89.
 Guba, E. F., 258.
 Guénin, H. A., 107.
 Guennelon-Aubanel, G., 54, 165, 201, 347.
 Günthart, E., 50, 52, 147, 189.
 Günther, E., 308.
 Guerrero Torres, R., 334.
 Guessons, A., 165.
 Guevara C., J., 110.
 Guha, M. P., 99.
 Guillaume, A., 347, 365.
 Guillaume, M., 10.
 Guillaumin, A., 29.
 Guillemain, R., 166, 246.
 Guillemat, J., 8, 101.
 Guilloteau, J., 10.
 Guillou, R., 316, 360.
 Guinier, P., 228.
 Guiscaféré-Arrillaga, J., 266, 274.
 Guliaev, V. V., 230.
 Guliaschwili, W. S., 308.
 Guljajew, W. W., 225.
 Gunar, I., 89.
 Gunderson, H., 314, 360.
 Gunkel, W. W., 362.
 Gunn, D. L., 43.
 Gunter, A. C., 269, 271.
 Gunther, F. A., 200, 363, 365.
 Guntz, M., 82.
 Gupta, B. D., 284.
 Gupta, K. M., 105.
 Gupta, N. S., 262.
 Gupta, R. S., 278.
 Gupta, S. C., 21.
 Gupta, V. C., 157.
 Gurensey, F. W., 216.
 Gurinowitsch, L. S., 216.
 Gurlev, A. S., 150, 316.
 Gurney, A. B., 42, 43.
 Gusel'nikov, A. A., 139.
 Gussew, W., 216.
 Gustafson, C. D., 201, 279.
 Gustafson, G. W., 222.
 Gustafsson, N., 104.
 Guthrie, L. R., 267.
 Guthrie, W. D., 291, 334.
 Gutknecht, J., 271.

Guyot, A. L., 23, 24.
Guyot, H., 280.
Guyot, L., 8.
Guzmán, V. L., 154, 196, 279.
Györfi, J., 235, 323.
Gyrisco, G. G., 73, 126, 131.
Gysel, A., 339.
H
Haag, H. B., 344.
Haagsma, N., 353.
Haarer, A. E., 57, 273, 306.
Haas, A. R. C., 197.
Haber, A., 69.
Habs, H., 61.
Hackländer, H., 77.
Hackleman, J. C., 29.
Hadaway, A. B., 334, 354, 365.
Haddock, P. G., 220.
Hadert, H., 347.
Hadert, H. H., 251.
Hadiwidjaja, T., 273.
Hadland, J. R. G., 273.
Hadlington, P., 235, 241, 246.
Häcker, G., 297.
Häffner, 170.
Häffiger, E., 52, 237.
Hägglund, E., 251.
Hähnle, O., 297.
Härlé, H., 9.
Haenseler, C. M., 191.
Härdtl, H., 353.
Härlé, A., 69.
Härtel, O., 219.
Häusser, K., 213.
Haeussler, G. J., 134.
Hafez, M., 323.
Hafiz, A., 24, 84, 124, 332.
Hagan, E. C., 364.
Hagborg, W. A. F., 97.
Hagedorn, D. J., 123, 127.
Hageman, R. H., 278.
Hagemeyer, J. W., 39.
Hagenstein, W. D., 222.
Haget, A., 53, 107.
Haggard, A., 163.
Hagge, A. H., 81.
Haggett, G., 243.
Haginicolova, C., 69.
Hagler, T. B., 13, 192.
Hagsand, E., 354, 355.
Hahmann, K., 145, 194, 303, 329.
Hahn, E., 361.
Hahn, K., 247.
Hahn, S., 365.
Hahn, W., 327.
Haïne, E., 256.
Haley, W. E., 284, 285, 323.
Haliburton, W., 240.
Hall, D., 61.
Hall, D. G., 41, 364.

Hall, D. W., 57.
Hall, E. E., 315.
Hall, H. H., 339.
Hall, J. A., 237.
Hall, L. A., 357.
Hall, L. T., 302.
Hall jr., P. J., 123.
Hall, R. H., 41.
Hall, R. L., 222.
Hall, S. A., 344.
Hall, W. C., 267, 334.
Halle, J., 12.
Hallemans, A., 136, 170, 182, 189, 256, 357.
Haller, H. L., 305, 329, 334.
Haller, M. H., 176.
Hallerfors, M., 34.
Halliday, D. J., 29, 129, 338.
Halliday, H. E., 261.
Halling, W. E., 235.
Halls, L. K., 37, 220.
Halma, F. F., 279.
Halma, M., 116.
Hamada, M., 348.
Hambleton, E. J., 43, 278, 309.
Hamblin, S. F., 264.
Hamblyn, C. J., 36.
Hamilton, C. C., 16, 235, 261.
Hamilton, C. D., 14, 27.
Hamilton, D. G., 75.
Hamilton, D. W., 163, 178, 325.
Hamilton, J. M., 161, 186, 342.
Hamilton, J. R., 225, 297.
Hamilton, R. D., 33, 34.
Hamlyn, B. M. G., 117.
Hammack, M., 135.
Hammarlund, A., 29.
Hammarlund, L., 342.
Hammeren, N. K., 235.
Hammerschlag, P., 212.
Hammler, 308.
Hammond, H. E., 54.
Hammond, J. G., 297.
Hamner, A. L., 270, 291, 360, 371.
Hamner, C. I., 16.
Hamstead, E. O., 16.
Hance, F. E., 283.
Hanchet, W. H. D., 222.
Hancock, D., 323.
Handford, R. H., 43.
Hanf, M., 16.
Hanisch, H., 118.
Hanna, G. C., 276.
Hanna, R. L., 43, 92, 270.
Hanna, W. F., 75.
Hannan, P. J., 135.
Hannemann, R., 209.
Hannon, C. I., 154.
Hansbrough, J. R., 228, 230, 232.
Hanschell, D. M., 28.

Hansen, C. J., 12, 173.
Hansen, C. M., 160, 290.
Hansen, K., 87, 361.
Hansen, L., 150.
Hanson, C. H., 124.
Hanson, D., 91, 121, 291.
Hanson, E. W., 78, 123, 125, 127.
Hanson, H. S., 235.
Hanson, W. J., 316.
Hantsbarger, W. H., 189.
Harada, T., 291.
Harada, Y., 222.
Haramoto, F. H., 56, 166, 325.
Hårdh, H. J. E., 22, 185.
Hardy, D. E., 166.
Hardy, J., 258.
Hardy, J. E., 337.
Hardy, S. K., 339.
Hare, W. W., 149.
Hargrave, T. C., 222.
Harkness, R. W., 279.
Harkom, J. F., 251.
Harley, C. P., 160, 183.
Harnack, W., 332.
Harney, A. R., 126.
Haronska, G., 107, 108.
Harper, S. H., 353.
Harranger, J., 173.
Harranger, M., 51.
Harrington, N. J., 43.
Harris, A. A., 128.
Harris, G. A., 35.
Harris, L. E., 364.
Harris, M., 302.
Harris, M. R., 186.
Harris, R. H., 78.
Harris, R. V., 7, 191, 195.
Harris, T. H., 347.
Harris, V. C., 268.
Harris, W. B., 160, 183, 186.
Harris, W. D., 365.
Harris, W. V., 46.
Harrison, A. L., 152, 156.
Harrison, C. M., 29, 34.
Harrison, P. K., 147.
Harrison, R. A., 347.
Harrison, T. H., 40.
Harrow, K. M., 251, 278.
Harry, J. B., 314, 359.
Hart, E., 329.
Hartig, H., 110.
Hartley, C., 297.
Hartley, G. S., 319, 334, 336, 345, 364.
Hartmair, V., 150.
Hartman, C. F., 297.
Hartman, R. E., 104.
Hartmann, H.-P., 33.
Hartmann, H. T., 140.
Hartsig, J., 126.
Hartsuijker, K., 116, 329, 332.

- Hartwig, E. E., 119.
 Harukawa, C., 365.
 Harvey, D. G., 365.
 Harvey, G. M., 231.
 Harvey, G. T., 303, 335.
 Harvey, H. L., 118, 120.
 Harvey, J. M., 266.
 Harvey, N. P., 98, 309.
 Hasanain, S. Z., 312.
 Hase, A., 57, 302.
 Hasegawa, K., 35, 349.
 Hashe, J. W., 93.
 Hashioka, Y., 75, 78, 81, 97.
 Haskell, G., 96.
 Haskell, R. J., 73, 268, 312, 314.
 Haskett, W. C., 79.
 Haskins, C. P., 57.
 Haskins, E. F., 57.
 Haskins, R. H., 23, 25, 353.
 Hasler, A., 12.
 Hasnain, S. Z., 267.
 Hass, H. B., 347.
 Hassebrauk, K., 2, 5, 81.
 Hasselbach, H., 347.
 Hasselbach, R., 207, 210.
 Hasselberg, L., 102.
 Hassett, C. C., 303.
 Hastings, A., 18.
 Hastings, E., 126.
 Hastings, L., 75, 87.
 Hastings, R. J., 261.
 Hasuko, E., 276.
 Hata, Y., 309.
 Hatfield, M. R., 103.
 Hatfield, S., 318.
 Hatt, P., 357, 365.
 Hattingh, E. R., 339.
 Hauck, 98, 102.
 Hauduroy, P., 7, 312.
 Haug, 158.
 Hauschild, 98.
 Hauser, E., 125.
 Havas, L.-J., 154, 354.
 Havelka, J., 291, 302.
 Havermann, H., 365.
 Havis, A. L., 12, 177.
 Havis, J. R., 339.
 Hawker, L. E., 8, 22, 228.
 Hawkes, J. G., 98, 102.
 Hawkins, A., 100.
 Hawkins, J., 94.
 Hawn, E. J., 124, 136.
 Haworth, F., 281, 343.
 Haws, L. D., 58.
 Hawthorn, L. R., 145.
 Hay, J., 104.
 Hay, R. C., 10.
 Hayakawa, H., 93.
 Hayakawa, Y., 86.
 Hayden, B. E., 326.
 Hayes, M. L., 190.
 Hayes jr., W. J., 348.
 Hayfron, R. J., 273.
 Haynes, J. L., 315.
 Haynes, W. I., 222.
 Hayslip, N. C., 96, 146, 285, 323.
 Hazu, G., 147.
 Heacox, E. F., 222.
 Heagy, A. B., 339.
 Hearn, A. H., 251.
 Heath, D. F., 16, 345, 364.
 Hebb, E. A., 215.
 Hebert, J., 329.
 Hebert, L. P., 282.
 Hebert, T. T., 75, 79.
 Hecht, 365.
 Hecht, W., 22.
 Hecke, H., 218.
 Heddergott, H., 130, 312, 327.
 Hedwig-Berel, K., 323.
 Heeley, W., 39.
 Heep, D. M., 174.
 Heerdt, W., 287, 309.
 Heffernan, T. H., 335.
 Heggeness, H. G., 34.
 Heggstad, H. E., 133.
 Heiberg, B. C., 176.
 Heiberg, S. O., 220.
 Heid, F. J., 251.
 Heidenreich, E., 147, 251, 288, 348.
 Heidenthal, G., 323.
 Heikertinger, F., 53.
 Heikinheimo, O., 195.
 Heiling, A., 116.
 Heilmann, U., 110.
 Heilscher, W., 327.
 Heim, J., 230.
 Heim, R., 46, 225, 321.
 Heimann, M., 263.
 Heinrich, E. C., 157.
 Heinrich, G., 61.
 Heinselman, M. L., 42, 236.
 Heinz, H. J., 61.
 Heinze, K., 48, 67.
 Heldreth, H. E., 365.
 Helgeson, E. A., 35, 89.
 Heller, E., 210.
 Heller, R. C., 361.
 Hellingman, J. E., 345.
 Helm, C. A., 87, 89.
 Helm, R. W., 54, 61, 94, 126, 303, 361.
 Helson, G. A. H., 309.
 Helson, V. A., 16.
 Hemer, M., 93, 115.
 Hemmi, T., 1.
 Hemming, H. G., 352.
 Hemphill, D. D., 193, 256.
 Henderson, A. T., 301.
 Henderson, Ch. F., 54, 342.
 Henderson, F. Y., 225.
 Henderson, J., 298.
 Henderson, L. M., 18.
 Henderson, V. E., 106.
 Hendrickson, R., 196.
 Hendrix, J. W., 264, 309.
 Hendrix, N. J., 93.
 Henisch, G., 107, 326.
 Henkens, Ch. H., 146.
 Henner, J., 156, 207, 213.
 Henness, K. K., 270.
 Hennig, R., 216, 225, 240.
 Henriot, J., 342, 357.
 Henriksen, H. A., 216.
 Henrikson, K., 161.
 Henry, A. W., 81, 87, 307.
 Henry, B. W., 225, 227, 234, 348.
 Hensel, R. L., 129.
 Hensill, G. S., 216, 314, 348, 371.
 Henson, H., 46.
 Henson, W. R., 243.
 Henze, 59, 235, 318, 327.
 Heppburn, G. A., 149, 190, 335.
 Hepting, G. H., 219, 225, 227, 228, 230.
 Hequist, K. J., 238, 240, 246, 278.
 Herberg, M., 58, 61.
 Herbert, G. H., 339.
 Herbert, T. T., 142.
 Herfs, A., 43.
 Hering, E. M., 7, 8, 41, 96, 145.
 Heringa, J. N., 168.
 Herken, H., 364.
 Hermelin, P. R., 287, 325.
 Hernandez, V. C., 357.
 Hernández Luna, R., 92.
 Herold, E., 323.
 Herold, K., 365.
 Herold, W., 96, 327.
 Heron, R. J., 246.
 Herr, F., 183.
 Herran, K., 308.
 Herrbach, E. F., 314.
 Herrmann, E., 219.
 Herrnring, G., 365.
 Herron, J. C., 126.
 Herrström, G., 138.
 Herschler, A., 207, 213.
 Hervey, A., 8, 18.
 Hervey, R. J., 268.
 Hes, J. W., 29, 89, 282, 283.
 Hesler, L. R., 19.
 Heslop Harrison, J. W., 139, 255.
 Hespeler, O., 298.
 Hess, N., 75.
 Hessayon, D. H., 353.
 Hesselbarth, G., 243, 246.
 Heuberger, J. W., 119, 154, 172, 175, 184, 185, 187, 332.
 Heuckmann, W., 213.

- Heusner, A., 154.
Hewetson, F. N., 170, 185.
Hewitt, E. J., 146.
Hewitt, W. B., 208, 210, 214.
Hewlett, P. S., 288.
Hey, A., 101, 104.
Hey, G. L., 167, 170, 345, 357.
Heymann-Herschberg, L., 197.
Heyrovský, L., 115.
Hibbs, E. T., 335.
Hick, E., 361.
Hickey, J. C., 34, 310.
Hickin, N. E., 238, 298.
Hickman, C. J., 193.
Hickman, D. D., 259.
Hickson, B., 251.
Hickson, H. E., 251.
Hicock, R., 29.
Hidalgo, J., 37.
Hiddema, J., 77.
Hiemeleers, J., 158.
Hierholzer, O., 216, 237, 241,
312, 342, 361.
Higdon, R. J., 174, 205.
Higgins, A. V., 32.
Higgins, F. H., 89.
Hijner, J. A., 115, 116.
Hikita, I., 276.
Hilborn, M. T., 170, 186.
Hildebrand, A. A., 113, 119.
Hildebrand, E. M., 161, 179.
Hildebrandt, A. C., 7, 9.
Hildreth, R., 120, 354.
Hildreth, R. C., 119.
Hilf, H. H., 219.
Hilf, R. B., 219.
Hilkenbäumer, F., 160.
Hill jr., G. D., 133.
Hill, H., 9.
Hill, R. E., 92, 94.
Hillemann, H., 107, 148.
Hillenbrand, E. F., 161.
Hille Ris Lambers, D., 48, 67,
110.
Hilliard, R., 163.
Hills, K. L., 141, 157.
Hills, O. A., 56.
Hilton, C. T., 262.
Hilton, R. J., 100.
Hincks, W. D., 42, 54, 318, 323.
Hindmarsh, R. G., 98.
Hingorani, M. K., 81, 85, 119,
295.
Hino, I., 19, 68.
Hinrichs, H., 205.
Hinselmann, M., 161, 186.
Hinton, E., 328.
Hirai, T., 78.
Hiratsuka, N., 24.
Hirayama, S., 68.
Hiroe, I., 185.
Hirose, K., 94.
Hirschhorn, E., 81, 343.
Hirt, R. R., 14, 230.
Hirth, L., 68, 135.
Hisano, S., 321.
Hisachi, K., 37.
Hitchcock, A. E., 341.
Hitchner, L. S., 335.
Hitier, H., 135.
Hitz, C. W., 183.
Hitz, E., 222.
Hiura, U., 80, 276.
Hivon, K. J., 12, 118.
Hixson, E., 138, 335.
Hjersman, H. A., 170.
Hoadley, A. D., 152.
Hobart jr., O. F., 175.
Hobbs, G. A., 67.
Hochapfel, H., 160, 185, 191.
Hochberg, N., 213.
Hockensmith, R. D., 10.
Hockey, J. F., 161, 170, 193,
332.
Hodges, E. M., 130.
Hodgson, W. A., 103.
Hodson, A. C., 215, 235, 237.
Hölldobler, K., 58, 323.
Hoeppli, R., 7.
Hörich, K., 263.
Höricht, W., 216.
Hörning, F., 251.
Hötte, 365.
Hofferbert, W., 101, 290.
Hoffman, J. R., 151.
Hoffman, P., 222.
Hoffman, P. F., 230.
Hoffmann, A., 121, 243.
Hoffmann, E., 189.
Hoffmann, I. C., 154.
Hoffmann, M., 61.
Hoffmann, M. B., 183.
Hoffmann, P., 210.
Hofmaster, R. N., 194, 335.
Hofsten, C. G. v., 29, 69, 102,
329.
Hogaboam, G. J., 113.
Hogan, T. W., 361.
Hogg, D. J., 314.
Hogg, P. G., 54.
Hogsett, J. N., 161.
Hogue, L. E., 339.
Hohenbruck, E., 371.
Holdaway, F. G., 94.
Holdeman, Q. L., 38, 133.
Hollande, A., 46.
Holland-Merten, E. L., 251.
Holley, W. D., 256.
Hollis, J. P., 9, 18.
Holloman, A., 332.
Holloman jr., A., 261.
Holloway, J. K., 35.
Hollowell, E. A., 124.
Holly, K., 136, 339.
Holmes, E., 16, 29, 71, 310, 314,
329, 348.
Holmes, E. L., 291.
Holmès, F., 361.
Holmes, F. O., 65.
Holmes, G., 102, 142, 170.
Holmström, S., 371.
Holston, E. M., 121.
Holstun jr., J. T., 29, 339, 358.
Holton, C. S., 24, 78, 81.
Holtzmann, O. V., 258, 259, 263,
265.
Holoake, K. J., 29.
Holz, W., 88, 164, 165, 342, 355,
361.
Hompesch, H., 361.
Honda, T., 49.
Honey, E. E., 153.
Hooker, A. L., 79.
Hooker, W. J., 101, 344.
Hopf, H. S., 43.
Hopf, M., 102.
Hopf, P. P., 314, 343.
Hopkins, B., 342.
Hopkins, D. P., 335.
Hopkins, E. S., 29.
Hopkins, J. C. F., 4, 98.
Hopkins, L., 73.
Hopkins, W. C., 298.
Hoppe, 160.
Hoppe, P. E., 315, 316.
Hopping, G. R., 235.
Horanic, G. E., 197.
Horber, E., 52, 91, 107, 312.
Hord, H. H. V., 249.
Horgan, E. D., 251.
Hori, S., 1.
Horigan, F. D., 288.
Horiguchi, H., 329.
Horn, N. L., 124.
Horne, V., 356.
Horner, C. E., 157.
Horner, R. M., 29.
Hornsmann, E., 222.
Hornstein, I., 352, 353.
Horovitz, N., 84.
Horricks, J. S., 87.
Horsfall jr., F., 160, 168, 183,
247.
Horsfall, J. G., 22, 26, 103, 329,
344, 357.
Horvat, I., 251.
Hosaka, Y., 232.
Hosch, L., 98, 107.
Hoshaw, R. W., 89.
Hoskins, W. M., 344.
Hosoi, M., 219.
Hosokawa, S., 78.
Hotson, H. H., 24, 228.

- Hottes, F. C., 49.
 Hougas, R. W., 67.
 Hough, J. S., 306.
 Hough, L. F., 175, 187.
 Hough, W. S., 178, 312.
 Houllier, E., 222.
 Houston, B. R., 79, 97, 127.
 Houtman, G., 189, 192, 243.
 Howard, F. L., 128, 143, 182, 248.
 Howard, L. B., 288.
 Howard, M. C., 222.
 Howard, W. E., 170.
 Howatt, J. L., 98, 103.
 Howden, A. T., 239.
 Howden, H. F., 235, 239.
 Howe, R. W., 291, 303.
 Howe, W. L., 143.
 Howell, H. A., 298.
 Howell, J. L., 46.
 Howles, R., 64, 72.
 Hoyman, W. G., 101, 110.
 Hoyt, A. S., 5, 235, 270, 302, 310, 329.
 Hruby, K., 244.
 Hrushovetz, S. B., 26, 85.
 Hsia, Y. J., 282.
 Hsia, Y.-T., 85.
 Huba, A., 164, 369.
 Hubbard, J. L., 267.
 Hubbard, R. D., 170.
 Hubbard, W. W., 29.
 Huber, B., 232.
 Huber, G., 12.
 Huber, H., 214.
 Hubert, 308.
 Hubert, A. J., 296.
 Hubert, F. P., 216.
 Hubert, K., 115.
 Hockett, H. C., 121.
 Hudault, E., 73, 103.
 Hudson, N. M., 58.
 Hueck, H. J., 167.
 Hueck, K., 10.
 Hüter, F., 61.
 Hüter, L., 291, 314, 348.
 Hüttenbach, H., 101, 150.
 Huffaker, C. B., 35, 194, 323.
 Huffington, J. M., 152.
 Hufnagl, H., 216, 241, 247.
 Hugé, T. L., 73.
 Hughes, C. G., 113, 282, 283.
 Hughes, R. H., 222.
 Hughes, S. J., 19, 26, 230.
 Huglin, P., 209, 212, 214.
 Huismann, 101.
 Hukano, H., 75.
 Hukill, W. V., 288, 293.
 Hulea, A., 84.
 Hull jr., A. C., 33.
 Hull, R., 64, 113, 116, 117.
 Hulme, J. M., 345.
 Humberto, O. C., 216.
 Hummer, R. W., 346, 357.
 Humperdinck, K., 365.
 Humphreys-Owen, S. P. F., 59, 61.
 Humphries, E. C., 77.
 Hungerford, C. W., 123, 180.
 Hunt, C. R., 178.
 Hunt, G. M., 251.
 Hunt, R., 132, 133.
 Hunter, J. A., 180, 316.
 Huntley, D. N., 80.
 Huppert, V., 355.
 Hurd jr., P. D., 58.
 Hurd-Karrer, A. M., 82.
 Hurford, A. W., 216, 248.
 Hurpin, B., 51, 239.
 Hurst, F., 284, 328.
 Hurt, R. H., 343.
 Hus, P., 170, 310.
 Husband, A. D., 132.
 Huss, E., 216.
 Hussain, M. S., 278.
 Hussain, S. M., 225, 228, 232, 298.
 Hussainy, S. A., 282.
 Husz, B., 101.
 Hutchins, L. M., 180, 215, 216.
 Hutchinson, J. B., 268.
 Hutchinson, M. T., 194.
 Hutchinson, P. B., 282.
 Hutner, S. H., 9.
 Hutton, R., 178, 189.
 Hutton, E. M., 67, 68, 110, 135.
 Hutton, K. E., 185.
 Huysmans, C. P., 281.
 Huziwar, A., 44.
 Hyams, E., 210, 343.
 Hyde, G. E., 54, 244.
 Hyde, M. B., 78.
 Hyman, J., & Co., 348.
 Hyre, R., 103, 104.
 Hyre, R. A., 21, 119.
 Iakhontov, V. V., 73.
 Iakovleva, N. N., 104.
 Ianos, O., 69.
 Iatsyna, L. T., 44.
 Iatsynina, K. N., 154.
 Ibberson, J. E., 205, 355.
 Ibragimow, G. P., 119, 150.
 Ibrahim, I. A., 82.
 Ignacio, P. J., 71.
 Ignatovicz, G. M., 24, 124.
 Ihssen, C., 237.
 Ii, M., 94, 205.
 Iijima, K., 1.
 Iizima, K., 73.
 Ikata, S., 76, 118.
 Ilić, B., 93, 107, 121.
 Iljin, W. S., 9.
 Iljinskij, A. I., 235, 244.
 Ilmurzyński, E., 318.
 Imai, S., 223.
 Imaizumi, I., 314.
 Imazeki, R., 24, 232.
 Imle, E. P., 275.
 Imms, A. D., 41.
 Inagaki, K., 349.
 Incho, E. J., 303.
 Indart, H. N., 73.
 Indo, H., 111.
 Ingelström, E., 189.
 Ingerson, H. G., 182.
 Ingham, A. G., 10.
 Ingham, G. A., 345.
 Ingold, C. T., 22.
 Ingram, J. W., 284, 285, 323.
 Ink, D. P., 193.
 Inman, W., 94.
 Inoue, M., 235.
 Inoue, R., 98.
 Inouye, Y., 251, 353, 357.
 Ionescu, M., 46.
 Irons, F., 333.
 Isely, D., 29.
 Isenberg, F. M. R., 144.
 Isherwood, H. R., 298.
 Ishida, J., 295.
 Ishiguro, T., 348.
 Ishihara, T., 121.
 Ishii, I., 122.
 Ishii, S., 53, 94, 121.
 Ishii, T., 122, 323, 351.
 Ishikura, H., 94.
 Ishizuka, Y., 86.
 Islas S., F., 201.
 Isler, D. A., 236, 362, 363.
 Ito, C., 236.
 Ito, F., 348.
 Ito, K., 230, 232.
 Itzerott, H., 52, 348.
 Ivanoff, S. S., 86.
 Ivashchenko, A. I., 219, 286.
 Ivimey-Cook, W. R., 1.
 Ivy, E. E., 270.
 Iwakiri, 192.
 Iwakiri, F., 76.
 Iwamura, M., 238.
 Iwanow, G. S., 219.
 Iwasa, T., 310.
 Iwasaki, R., 342.
 Iwata, M., 142.
 Iwata, Y., 21, 150.
 Jachontow, W. W., 47.
 Jacks, H., 82, 141, 142, 153, 154, 266, 316, 329, 345.
 Jackson, D. J., 105.

- Jackson, H. S., 24.
Jackson, L. W. R., 225, 249.
Jackson, S., 222.
Jackson, Th. L., 81.
Jacob, F. H., 106.
Jacob, W. C., 101.
Jacobs, H. L., 339.
Jacobs, S. E., 18, 291, 320.
Jacobs, T., 351.
Jacot-Guillarmod, C., 58.
Jacoway, T. H., 272.
Jacquot, C., 228, 231, 242, 251, 298.
Jager, H., 216, 219.
Jägerstahl, G., 348.
Jähnl, G., 64, 98.
Jaenichen, H., 263.
Jagemann, E., 50.
Jagielski, A., 225, 228.
Jahn, E., 327.
Jain, A. C., 152, 154, 210, 260, 266.
Jain, N. C., 299.
Jaivenois, M., 160.
Jakubow, T. F., 308.
Jamalainen, E. A., 129.
James, G. S., 222.
James, M. O., 262.
James, W. L., 291.
Jameson jr., E. W., 247.
Jameson, H. R., 87, 93.
Jamieson, W., 213.
Jancke, O., 93, 166, 178, 189, 207, 212, 312, 323, 329.
Jancke, W., 61.
Janes, R. L., 248.
Jannone, G., 71, 310, 329, 330, 335, 345.
Jansen, 219.
Janson, B. F., 158.
Jansson, S., 101.
Jansson, S. L., 348.
Jantzen, G., 365.
Jany, E., 61.
Jarrige, J., 50.
Jarvis, W. R., 145.
Jasmin, J. J., 339.
Jaubert, P., 203.
Jauch, C., 185.
Jaworski, E. G., 118.
Jay, A., 251.
Jeffers, R. L., 123.
Jeffers, W. F., 71, 75, 193, 276, 316.
Jefferson, F. J., 222, 361.
Jefferson, R. N., 266, 304.
Jeffery, C. W., 160.
Jefferys, E. G., 352.
Jehle, R. A., 71, 74, 104, 230, 232, 304.
Jenkins, A. E., 21, 74, 119, 161, 198, 230, 232, 255, 264, 276, 279, 280, 304.
Jenkins, C. F. H., 58.
Jenkins, H. B., 205.
Jenkins, J. E. E., 184.
Jenkins jr., J. M., 261.
Jenkins, L., 54, 170.
Jenkinson, J. G., 149.
Jenny, J., 159.
Jensen, C. O., 144.
Jensen, D. D., 49, 65, 263.
Jensen, H. J., 163, 212, 258.
Jensen, H. L., 10.
Jensen, J. H., 18, 68.
Jensen, N. F., 80.
Jensen, P. E., 29.
Jentzsch, D., 350.
Jentzsch, H., 251.
Jeppson, L. R., 200, 201.
Jepson, W. F., 94, 260, 285.
Jermey, T., 107.
Jessen, 369.
Jessen, L. S., 166.
Jeurink, J., 100.
Jewett, H. H., 52, 239, 291, 348.
Jewstropow, I. I., 69.
Joachim, F., 264.
Jochems, P. J., 289.
Jørgensen, E., 228.
Jørgensen, S. J., 183.
Jørstad, I., 14, 24, 74.
Joglar Rodriguez, F., 91.
Johannes, H., 230.
Johannesson, J. K., 153.
Johansen, R. L., 94, 323.
Johanson, F. D., 163, 170, 182, 191, 194, 207, 310, 314.
Johansson, A. S., 54, 148, 323.
Johansson, F., 82.
Johansson, J., 37.
Johns, R., 273.
Johnson, A. W., 49.
Johnson, C. E., 222.
Johnson, C. G., 49, 67, 306.
Johnson, F., 170, 191, 192.
Johnson, F. J. G., 222.
Johnson jr., H. S., 269.
Johnson, H. W., 118.
Johnson, J., 64, 65, 135, 150.
Johnson, J. C., 154.
Johnson, P. C., 242.
Johnson, R., 33.
Johnson, S. P., 267, 334.
Johnson, T., 25, 76, 82, 85.
Johnson, V. W., 10.
Johnston, A., 281.
Johnston, C. D., 61.
Johnston, C. O., 82.
Johnston, H. G., 269, 270, 271.
Johnston, J. R., 35, 267, 268.
Johnstone, G. R., 280.
Jolain, R., 222.
Jolivet, P., 53.
Joly, E., 176.
Joly, M., 65.
Joly, P., 44.
Jonas, G. Z., 253.
Jones, A. H., 295.
Jones, C. H., 192.
Jones, C. M., 92.
Jones, D. L., 267.
Jones, D. R., 102.
Jones, D. W., 94, 130, 317.
Jones, E. W., 100, 306.
Jones, F. G. W., 115.
Jones, G. D., 134, 149, 267, 270, 271.
Jones, H. T., 12.
Jones, I. D., 150.
Jones, J. C., 53, 61, 291.
Jones, L. S., 180, 181.
Jones, L. T., 197.
Jones, M. P., 270.
Jones, S. C., 173, 177.
Jones, T. H., 161.
Jones, T. W., 230.
Jones, W., 103, 256.
Jordan, Ch., 194.
Jordan, R., 365.
Jordović, M., 210.
Jørgensen, H., 120, 123.
Jorritsma, J., 113.
Josephson, L. M., 76.
Jospovits, G., 264.
Joshi, K. C., 332.
Joshi, N. V., 352.
Jossebrand, M., 227.
Jost, W., 235, 327.
Joubert, C. J., 310.
Joubert, G. J., 40.
Joung, R. H., 44.
Jourdan, M., 140.
Jourdheuil, P., 16, 139, 318.
Jovanić, M., 361.
Jover, H., 277, 278.
Ju, L. S., 285.
Juarez Montegrifo, F., 201.
Judah, J. D., 357.
Judd, W. W., 44, 244, 323.
Judin, K. A., 248.
Juhren, G., 32.
Juliano, J. P., 67, 286.
Jul Reyes, G., 116.
Jump, J. A., 343.
Jung, K.-F., 361.
Jungenheimer, R. W., 76.
Juraszek, H., 70.
Juscafresa, B., 207.
Jussier, J., 261.

- Kachroo, P., 27.
 Kaczynski, H., 29.
 Kadam, B. S., 133, 134.
 Kadambi, K., 278.
 Kaden, O. F., 273.
 Kadotschnikow, M. P., 97, 365.
 Kämpfe, L., 342.
 Kaesberg, P., 65.
 Kaeser, 366.
 Kästner, W., 291.
 Kagami, T., 314.
 Kahl, E., 359, 361.
 Kahn, M. Q., 292.
 Kaiser, H., 330.
 Kaiser, W., 113, 330.
 Kakimoto, S., 276.
 Kalaschnikow, K. J., 88.
 Kalchschmid, 168.
 Kalela, O., 326.
 Kalenich, W., 29.
 Kalepyk, H., 128, 369.
 Kalík, V., 51.
 Kalinkevich, A. F., 89.
 Kalmann, H., 61.
 Kaloostian, G. H., 180, 181.
 Kalshoven, L. G. E., 72.
 Kamal, M., 277, 280.
 Kamal Bey, M., 318.
 Kamat, M. N., 279.
 Kamei, S., 228.
 Kamito, A., 348.
 Kamiya, M., 77.
 Kammermann, N., 103.
 Kammerer, E. L., 14.
 Kamp, H. J., 238, 239, 242, 246.
 Kamp, J. R., 259.
 Kanarew, W. D., 348.
 Kanda, M., 96.
 Kaneko, T., 94.
 Kanervo, V., 292.
 Kangas, E., 235.
 Kaplan, H., 140.
 Kaplan, N. O., 22.
 Kaplan, R. W., 9.
 Kar, K., 283.
 Karafa-Korbut, M. I., 143.
 Kardos, E. H., 145.
 Karper, R. E., 76.
 Kasahara, Y., 89.
 Kasanskij, A. N., 244.
 Kashioka, M., 13.
 Kassanis, B., 122.
 Kastendieck, M., 148, 330.
 Kasting, R., 16.
 Katajima, H., 175.
 Katalymov, M. V., 12.
 Kato, M., 92.
 Kato, S., 144.
 Katsuda, Y., 353, 357.
 Katsuki, H., 87.
 Katsuki, S., 26.
 Katsura, K., 136, 161.
 Katz, R., 362.
 Katznelson, H., 18, 353, 357.
 Kaudy, J. C., 114.
 Kauffman, R. I., 355.
 Kaufhold, W., 207.
 Kaufman, J., 100.
 Kaufmann, O., 16.
 Kaul, R. N., 29.
 Kaul, T. N., 154.
 Kausche, G.-A., 65.
 Kaushal, R., 312.
 Kaussari, M., 48.
 Kaven, G., 58, 327.
 Kawada, 310.
 Kawagoe, H., 89.
 Kawamura, T., 370.
 Kawasaki, R., 293.
 Kawase, E., 92.
 Kawatani, T., 80.
 Kawazoe, Y., 89.
 Kay, K., 366.
 Kayser, E., 361.
 Kazakevich, L. I., 29.
 Kazuo, N., 330.
 Kearful, J., 201.
 Kearns, C. W., 302.
 Kearns, H. G. H., 170, 182, 366.
 Keck, Ch. B., 306.
 Keel, M. H., 348.
 Keener, P. D., 110.
 Keetch, J. J., 223.
 Kefford, J. F., 288.
 Kehr, A. E., 132.
 Keiding, J., 361.
 Keil, H. L., 128.
 Keilholz, G., 87.
 Keiser, I., 54, 342.
 Keitt, G. W., 22, 179, 353.
 Keleny, G. P., 110.
 Kelleher, J. S., 126.
 Keller, 162.
 Keller, E., 369.
 Keller, H., 348.
 Keller, J. R., 16, 256, 259.
 Keller-Vaillant, 251.
 Kelley, R. A., 110.
 Kelley, V. W., 171.
 Kellner, 228.
 Kelly jr., A. W., 222.
 Kelly, C. D., 19.
 Kelly, C. F., 197.
 Kelly, S., 120.
 Kelman, A., 18, 79.
 Kelsey, J. M., 130.
 Kelsheimer, E. G., 130, 141, 191,
 337, 348.
 Kelso, V., 178.
 Kemp, P. B., 46.
 Kemper, H., 5, 288, 302.
 Kenaga, E. E., 357.
 Kendrick, J., 115.
 Kendrick jr., J. B., 119, 149,
 156, 157.
 KenKnight, G., 180.
 Kennard, W. C., 192.
 Kennedy, J. S., 8, 44, 49, 64, 67,
 68, 123, 323.
 Kennerly, A. B., 153.
 Kephart, L. W., 37.
 Keplinger, J. A., 26.
 Kepner, R. A., 112.
 Kernkamp, M. F., 119, 124.
 Kerr, T. W., 182.
 Kerr jr., T. W., 143, 233, 235,
 256, 266, 335.
 Kerssen, M. C., 361.
 Kerstens, J., 170.
 Kersting, 61, 98, 146.
 Kersting, F., 232.
 Kessler, H., 183, 295.
 Kestenbaum, M., 170.
 Kesterson, J. W., 196.
 Ketchum, H. M., 342.
 Ketelaar, J. A. A., 314, 345.
 Kettle, D. S., 310.
 Kevorkian, A. G., 154, 273.
 Keyworth, W. G., 101, 138, 193.
 Khan, A. H., 278.
 Khan, H., 286.
 Khan, M. Q., 285.
 Kharkina, G. A., 144, 162.
 Khatipov, Sh. E., 165.
 Khetagurova, F. V., 267.
 Kholodnyi, N. G., 197.
 Khrshchonovich, V. G., 139.
 Kiefer, M., 209.
 Kielczewski, B., 244.
 Kiely, T. B., 198.
 Kienholz, J. R., 185, 186.
 Kienzle, R. A., 152.
 Kijaschenko, P. J., 198.
 Killermann, E., 290.
 Kilpatrick, D. T., 187.
 Kilpatrick, R. A., 125.
 Kimball, M. H., 256, 259.
 Kimura, J., 183.
 King, B., 10.
 King, C., 80, 82, 97, 154.
 King, C. E., 270.
 King, C. T., 197.
 King, E. J., 352.
 King, F. C., 29.
 King, H., 54, 165.
 King, J. L., 52, 323.
 King, N. C., 285.
 King, R. L., 58.
 King, T. H., 26, 192, 320.
 Kingrea, C. L., 292.
 Kingsley, G. R., 343.
 Kinney, C. L., 222.

Kinoshita, E., 62.
Kipenvarlits, A. F., 50.
Kips, R. H., 106, 348.
Kirby, A. H. M., 162, 167, 170,
171, 189, 190, 342, 345, 358.
Kirby, R. S., 175, 332.
Kirchberg, E., 348, 357, 361.
Kircher, W. H., 29, 357.
Kirk, W. G., 130.
Kirkpatrick, H. C., 110, 180.
Kirkpatrick, M. E., 100.
Kirkpatrick, R., 221.
Kirschner, M. J., 371.
Kirwald, E., 219.
Kiryu, T., 22.
Kiseleva, E. N., 87.
Kisljuk, M. M., 76, 78.
Kisser, J., 251.
Kitagawa, K., 353, 357.
Kitajima, H., 170.
Kiyoku, M., 121, 365.
Kjar, N. A. M., 74.
Kjeldstad, S. K., 247.
Klages, 130.
Klapp, E., 110.
Klaptsova, N. K., 82.
Klarup-Hansen, J., 170.
Klásterský, I., 249.
Klauditz, W., 298.
Klausner, O., 361.
Klauß, 40.
Klauß, D., 62, 87, 310.
Klein, R. M., 9.
Kleiner, B. D., 205.
Kleinschmidt, A., 59, 97.
Kleis, R. W., 82.
Klement, Z., 166, 320.
Klemm, A., 63.
Klemm, M., 55, 62, 70, 247.
Klemm, W., 40.
Klemme, A. W., 12, 124.
Klempau, J., 364.
Klessner, P. J., 195.
Klett, 52, 162, 170, 172, 310.
Klett, W., 164, 330.
Klette, G., 142, 308.
Kliewe, H., 290.
Klindić, O., 186.
Kling, J. B., 222.
Klingbeil, G., 182.
Klingbeil, G. C., 187.
Klingman, D. L., 29.
Klingman, G. C., 16, 27, 133, 339.
Klinker, J. E., 346.
Klinkowski, M., 68, 101, 110, 116,
159, 244.
Kljuschnik, P. J., 225.
Kloppel, R., 290.
Klötting, H. L., 344, 353, 358.
Kloft, 366.
Kloft, W., 7, 158, 163, 237.

Kloke, E., 16.
Klomprens, W., 353.
Kloor, L. A., 112.
Klosa, J., 348.
Klostermeyer, E. C., 110, 126, 127,
138.
Klots, A. B., 55, 235.
Klotz, K., 216.
Klotz, L. J., 196, 198, 280.
Klougart, A., 142.
Klumpp, E., 160.
Kluyver, A. J., 18.
Klykow, A. P., 119.
Knapek, 98.
Knaphus, G., 21.
Kneale, R. E., 251, 358.
Knedell, C., 366.
Kneiphoff, H., 62.
Knell, K., 359, 361.
Knickmann, E., 12, 160.
Knight, C. A., 66.
Knight, F. B., 235.
Knight, R. L., 268.
Knight, S. G., 1.
Knippling, E. F., 288.
Knippel, 189.
Knjasew, W. F., 308.
Knöpke, W., 50, 148, 240, 330.
Knoll, L., 32.
Knorr, L. C., 197, 203.
Knowles, G., 30, 125.
Knowlton, G. F., 44, 45, 46, 47, 50,
51, 54, 55, 58, 121, 126, 127, 130,
143, 145, 146, 156, 170, 237, 310,
323, 366.
Knowlton, M. S., 270.
Knull, D. J., 49.
Knull, J. N., 51.
Kobayashi, K., 230.
Kobayashi, T., 126.
Kobayasi, Y., 19.
Kobel, F., 22, 366.
Kobernuß, E.-Ch., 160.
Koblitsky, L., 313, 341.
Koch, C., 298.
Koch, E. C., 191.
Koch, J. E., 225, 252.
Koch, L. W., 113, 119, 132, 133,
178, 316, 317.
Koch, M., 216.
Koch, W., 165, 242, 252.
Koch de Brotos, L., 72.
Kocher, C., 337.
Kocherzhenko, I. E., 197.
Kochman, J., 163.
Koegel, L., 58, 323.
Koehler, B., 76, 87, 117.
Köhler, E., 65, 68, 110.
Köhler, H., 358.
Köhler, R., 10.
Koehler, W., 235, 246, 318.

Köhnlein, J., 12.
Könemann, E., 366.
König, E., 216, 228, 240, 298.
Koenig, H. J., 135.
Könnecke, G., 5.
Köpp, J., 288.
Köppel, 159, 191.
Koffler, H., 352.
Kofod, A. D., 106, 110.
Kogstad, K. J., 361.
Koidsumi, K., 310.
Koie, G., 30, 328.
Kojima, K., 336.
Kolbezen, M. J., 365.
Kole, A. P., 82.
Koljo, B., 252.
Kolk, H., 136, 137.
Kollmann, F., 216.
Koltermann, E., 96, 125.
Komarovskii, P. O., 219.
Kommedahl, T., 137.
Kompel, H., 327.
Komuro, Y., 109.
Kondo, T., 365.
Kondratjew, N. A., 216.
Konecky, M. S., 360, 365.
Kónev, G. I., 227.
Kono, T., 74.
Kontani, S., 230.
Kontuniemi, T., 58.
Konze, E., 369.
Koo, K. S., 82.
Koopman, C., 118.
Kopitke, J. C., 316.
Kopp, J., 107.
Kordes, H., 210, 344.
Korhammer, K., 88.
Korkhaus, R., 62.
Korotunow, M., 308.
Korshunova, A. F., 142.
Korsmeier, R. B., 151.
Korsunskij, A. K., 216.
Kortzas, C. B., 69, 107, 270.
Koshantschikow, I. W., 41.
Kostal, E., 7.
Kostiakov, A. N., 10.
Kößwig, W., 150, 154.
Kotila, J. E., 116.
Kott, S., 30.
Kott, S. A., 30, 89.
Kotte, W., 132, 159, 162, 170, 178,
180, 205, 312, 369.
Kotthoff, P., 39, 101.
Kowalski, Z., 233.
Koyama, K., 348.
Koyama, N., 51.
Koyama, R., 35.
Koyama, T., 96.
Koza, R. W., 43.
Kozlova, V. I., 203.
Krackowizer, F., 9.

- Kraegen, F. F., 246.
 Kraemer, G.-D., 225, 230, 232, 233, 242, 327.
 Kragtwijk, C., 256.
 Krahll-Urban, 247.
 Kralin, P., 82.
 Kramer, D., 100.
 Kramer, O., 210.
 Kramer, P. J., 11, 13.
 Kramp, M., 170.
 Krampe, 96.
 Kranz, 207.
 Krasnopol'skaia, L. F., 158.
 Krassil'nikov, N. A., 353.
 Kratochvil, D. E., 35.
 Kratochvil, J., 178.
 Krausche, K. K., 270.
 Krause, G., 164, 258, 369.
 Krause, R. L., 254.
 Krauss, J., 366.
 Krehl-Nieffer, R., 318.
 Kreitlow, K. W., 22, 124, 292, 329.
 Kreutz, H., 142.
 Kreutzer, W. A., 348.
 Kribben, F. J., 27.
 Krieg, H., 5, 62, 358.
 Krijgsman, B. J., 358.
 Krishna, S., 252.
 Krishnamurti, B., 74.
 Kristensen, H. R., 101, 261.
 Krister, C. J., 348.
 Kritskaja, L. M., 160, 183.
 Krivina, V. G., 153.
 Kröger, H., 17.
 Krombein, K. V., 58.
 Kronberg, O., 159.
 Krone, P., 310.
 Krone, P. R., 261.
 Kronenberg, H. G., 195.
 Krstić, M., 205, 227, 320.
 Krüger, E., 17.
 Krüger, F. H., 100.
 Krueh, W., 244.
 Krüßmann, G., 182.
 Krug, H. P., 286, 339.
 Krupka, J., 165.
 Kryszanowskij, O., 323.
 Krzanowski, A., 303.
 Kuang, H. H., 86.
 Kubota, F., 122.
 Kučera, 137.
 Kühl, H., 298.
 Kühlwein, H., 228.
 Kümmerle, W., 361.
 Kuenen, D. J., 189.
 Küster, E., 1, 8.
 Kuhn, H., 312.
 Kuhn, L., 371.
 Kuhn, W., 242.
 Kuhnoltz-Lordat, G., 227.
 Kuiken, K. A., 366.
 Kuitert, L. C., 41, 46, 256.
 Kulash, W. M., 270.
 Kulik, S. A., 78.
 Kulkarni, N. B., 20, 278.
 Kulkarni, Y. S., 18, 157, 211, 257, 266, 268, 286.
 Kull, B., 33.
 Kull, R. R., 339.
 Kulp, D. A., 300.
 Kul'tiasov, M. V., 304.
 Kummer, A. P., 30.
 Kummer, H., 37, 123.
 Kundert, J., 145, 162, 207.
 Kundu, B. C., 301.
 Kunert, J., 264.
 Kunejl, H., 203.
 Kunitake, M., 88.
 Kunkel, L. C., 67.
 Kunkel, L. O., 151, 259.
 Kuntz, J. E., 229, 230.
 Kunze, F. M., 366.
 Kunze, R., 298.
 Kupriianova, V. D., 264.
 Kurbatskii, N. P., 222.
 Kureha, Y., 93.
 Kurenzow, A. I., 233, 298.
 Kuribayashi, K., 26.
 Kurir, A., 130, 238, 252, 298.
 Kurz, L., 213.
 Kusaka, M., 216.
 Kushman, L. J., 276.
 Kusznezov, N., 58.
 Kutluk, O., 222.
 Kuwahata, T., 62.
 Kuwayama, S., 93.
 Kyd, St., 44, 92, 288.
 Laakkonen, E., 125.
 Labeyrie, V., 144, 323.
 Laborde, A., 30.
 Laboureur, P., 46.
 Labus, S., 191.
 Lachance, R. O., 26, 88, 137.
 Lachman, W. H., 142.
 Lackey, Ch. F., 116, 156.
 La Clair, J. B., 358.
 Lacroix, L., 37.
 Lacy, R. C., 20, 304.
 Ladewig, J. E., 11.
 Lafollette, J. R., 201.
 Lafon, J., 210.
 Lafon, M., 303.
 Lagasse, F. S., 278.
 Lagerqvist, S., 125.
 Laibach, F., 228.
 Lajudie, J., 316.
 Lakon, G., 310.
 Lal, K. B., 44, 105, 270.
 Lal, K. N., 13.
 Lal, R., 110.
 Lalatta, F., 335.
 Lamb, J., 281.
 Lamb, J. G. D., 185.
 Lamb, K. P., 8, 56, 302.
 Lambdin, R. S., 112.
 Lambers, D. H. R., 49.
 Lambert, E. B., 19, 316.
 Lambert, J., 219.
 Lambert, R., 235.
 Lamberts, H., 125.
 Lambou, M. G., 288.
 Lamdan, S., 41.
 Lammert, A., 162.
 Lamour, R., 198, 203.
 Lampeter, W., 128.
 Lana, E. P., 89.
 Lancaster, F. R., 230.
 Lanchester, H. P., 342.
 Lancum, F. H., 62.
 Landis, B. J., 98, 110.
 Landolt, E., 264.
 Lane, M. C., 50.
 Lang, A. L., 76.
 Lange, 130, 292.
 Lange, B., 62, 288.
 Lange, P., 252.
 Lange, P. W., 251.
 Lange, W. H., 74.
 Lange jr., W. H., 147, 158, 315.
 Langenbuch, R., 108, 348.
 Langendorf, G., 298.
 Langford, G. S., 51, 52.
 Langner-Schmalenbeck, W., 216.
 Lanninger, K. L., 222.
 Lanquist, K., 358.
 Lansade, M., 82.
 Lantelmé, W., 14, 219, 242.
 Lantz, D., 82.
 Lapedagne, H., 173.
 Laplante, A. A., 159, 163, 171, 188, 335.
 Laplante, J. E., 129.
 Large, J. R., 205.
 La Rotonda, C., 152.
 Larsen, A., 137, 139.
 Larsen, O. D., 110.
 Larson, P. S., 344.
 Larson, R. H., 65, 109, 112, 147.
 Lasnier, G. G., 170.
 Lasser, E., 24, 82.
 Lassetter, W. C., 268.
 Lathrop, F. H., 186, 189.
 Latif, A., 55, 201.
 Lattner, E. J., 361.
 Laue, G., 59.
 Lauenstein, A., 142.
 Laug, E. P., 366.
 Launois, H., 252, 348.
 Laurence, B. R., 323.
 Laurent, G., 355.
 Laurie, A., 258.

- Lauriol, F., 198, 279.
Lavallard, M. L., 339.
Lavezzi, A., 108, 162, 164, 170, 343.
Lavrov, N. N., 76, 170.
Lavrovskii, D. G., 89.
Lawless, W. W., 311.
Lawlor, N., 113.
Lawrence, E., 4.
Lawrence, F. P., 196.
Lawson, F. A., 303.
Lawson, F. R., 72, 115.
Lay, B. J., 118, 294.
Laycock, D. H., 281.
Layton, K., 248.
Leach, C. M., 89, 129.
Leach, J. G., 125, 143, 169, 256.
Leach, L. D., 112.
Leah, E., 30.
Leake, H. M., 283.
Leaper, J. M. F., 355.
Leaphart, C. D., 230.
Lear, B., 101, 106, 316, 348.
Lebeau, F. J., 86.
Lebedew, D. W., 5.
Lebedew, W. W., 308.
Leben, C., 68, 353.
Le Berre, J. R., 44.
Lebis, E., 238.
Leblanc, R., 81.
Lebs, H., 305.
Lechevalier, H., 354.
Leclercq, J., 292.
Leclercq, E. L., 370.
Ledingham, R. J., 86.
Ledoux, A., 58.
Lee, D. J., 310.
Lee, M. R., 362.
Lee, O. C., 33, 339.
Lee, S. C., 146.
Lee Ling, 118, 276.
Leefe, J. S., 120.
Leenders, B., 30.
Lees, A. D., 167.
Lefebvre, C. L., 76, 120.
Legge, B. J., 258.
Leggett, H. W., 35.
Leggieri, L., 153.
Leghis, L. M., 345.
Légros, N., 256.
Lehker, G. E., 169.
Lehle, H., 318.
Lehman, A. J., 366.
Lehman, S. G., 119, 125.
Lehmann, A., 80.
Lehmann, E., 7, 70, 228, 273.
Lehmann, U., 125.
Lehmann-Carpzov, B., 298.
Leib, E., 52, 60, 88, 103, 108, 194, 207, 259, 292, 298, 310, 366, 369, 371.
Leibovici, C., 345.
Leiby, R. W., 141, 345, 366.
Leighton, R. E., 366.
Leiler, T. E., 239.
Leitenberger, L., 17.
Lejeune, A. J., 78.
Lejeune, R. R., 246.
Lekander, B., 242, 248, 296.
Lekander, J., 232.
Lekander, M., 235.
Lelièvre, D., 8.
Lelièvre, M. D., 80.
Lellilid, H. R., 308.
Le May, D. G., 138.
Lemay, N., 222.
Lembach, J. V., 353.
Lemke, H., 98, 99, 110.
Lemonde, A., 292.
Lemons, E., 270.
Lempke, B. J., 178, 244.
Lendle, L., 341.
Lene, 108.
Lengerken, H. v., 240.
Lentz, A. N., 298.
Lentz, P. L., 205.
Leonard jr., B. R., 65.
Leonard, J. M., 252, 302.
Leonard, J. P., 252.
Leonard, R. B., 223.
León Ortega, M., 348.
Leont'eva, I. A., 210.
Leontjew, A. A., 308.
Leopold, B., 225, 252.
Leotorguiz, M., 101.
Lepage, H. S., 177, 263, 330, 348.
Lepage, P., 207.
Le Pelley, R., 74.
Lepesme, P., 240.
Lepigre, A. L., 288.
Lepine, P., 259.
Lepori, L., 24, 82, 185, 228.
Leppik, E., 366.
Leroux, D., 1.
LeRoux, E. J., 167, 246, 321.
Lesnikov, E. P., 332.
Lespès, L., 86, 197.
Lester, J., 82.
Leukel, R. W., 76, 88, 329.
Leuritz, J., 252.
Leutritz jr., J., 225.
Levardsen, N. O., 30.
Lever, R. J. A. W., 277.
Levine, M. N., 80, 82.
Levy, J. F., 14.
Lewis, C. E., 259.
Lewis, E. W., 292.
Lewis, F. H., 168, 170, 180.
Lewis, H. C., 295.
Lewis, R. A., 281.
Lewkowsitch, W. G., 236.
Lewrowskij, A. A., 247.
Leyendecker jr., Ph. J., 72, 267.
Leyon, H., 116.
Leyvraz, H., 211.
Lhéritier, G., 292, 303.
Lhoste, J., 46, 82, 314, 343, 345.
Lhoste, M. J., 82.
Li, C. S., 96.
Libowitzky, J. A., 266.
Lichti, H., 314, 332.
Lieberman, F. V., 47, 54, 126, 364.
Liebermann, J., 44, 140.
Liebster, 189.
Liebster, G., 160.
Lienk, S. E., 167, 189.
Liese, J., 216, 298.
Liese, W., 252.
Liguori, F., 170.
Lihnell, D., 17, 65, 66, 101.
Lill, J. G., 113.
Lilleland, O., 12, 13, 160.
Lilly, C. H., 349, 361.
Lilly, J. H., 53, 94, 288, 335.
Lilly, V. G., 20, 26, 120.
Lima, A. D. F., 40, 94, 178, 279, 280.
Limasset, P., 1, 7, 64, 70, 116.
Limber, D. P., 264.
Liming, O. N., 248.
Lincoln, Ch., 95, 271.
Lincoln, C. G., 270.
Lind, O., 223.
Lindberg, N. J., 298.
Linden, R., 252.
Lindenmuth jr., A. W., 223.
Lindfors, Th., 82, 108, 305, 312.
Lindgren, D. L., 56, 200, 201, 205, 277, 292.
Lindgren, R. M., 298.
Lindner, M. W., 141.
Lindner, R. C., 168, 180.
Lindquist, J. C., 24.
Lindsten, A., 244.
Ling, K. C., 282, 283.
Ling, L., 5, 24, 76, 286, 355.
Linkbeck, T., 358.
Link, C. B., 260.
Link, G. K. K., 9, 152.
Linn, M. B., 144, 152, 154.
Linnasalmi, A., 316.
Linnavuori, R., 49.
Linser, H., 153, 308, 355.
Linsens, H. F., 314.
Linton, N. L., 223.
Littlefield, E. W., 216.
Littlejohn, L. J. S., 11.
Littmann, H. G., 358.
Litzenberger, S. C., 82.
Liubarskii, L. V., 228.
Livermore, J. R., 110.
Livingstone, A. M., 330, 335.
Livingston, J. E., 76, 82.

- Llewellyn, M. V., 16.
 Llobregat Balaguer, E., 210.
 Lloyd, D. C., 44.
 Lloyd, G. W., 94, 105.
 Lloyd, N. C., 105.
 Lo, T. T., 282.
 Loads, F. W., 189.
 Lobaev, N. I., 172.
 Lobb, W. R., 147.
 Lobstein, J., 89.
 Lochhead, A. G., 19.
 Lochner, E. H. W., 40.
 Lochow, W. P., 216.
 Lockau, S., 345.
 Lockwood, S., 170, 171.
 Loddessl, A., 11.
 Löfken, 298.
 Lefting, E. C. L., 228.
 Loegering, W. Q., 82, 84.
 Löhnis, M. P., 118.
 Löhl, H., 326.
 Loewel, E. L., 159, 160, 162, 187, 366.
 Logan, A. V., 118.
 Logothetis, C., 44, 91.
 Loh, C. S., 282.
 Lohrmann, R., 216.
 Lohweg, K., 228, 232, 252.
 Loibl, L., 125.
 Loidina, G. I., 135.
 Loneragan, J. F., 137.
 Long, E. J., 32.
 Longchamp, R., 80, 89, 209.
 Loomis, W. E., 30.
 Loos, C. A., 7, 281.
 Loosjes, F. E., 263.
 Lopatecki, L. E., 332.
 López Otero, J. A., 103.
 Lordello, L. G. E., 39, 52.
 Lorensen, A., 74.
 Lorenzini, O. A., 33.
 Lorenzini, T., 104.
 Losco, G., 346.
 Lotmar, R., 302.
 Lott, T. B., 174, 180.
 Louis, P., 58.
 Louis, R., 366.
 Loustalot, A. J., 284, 356.
 Louw, A. J., 171, 187.
 Loveless, A. R., 125.
 Lovering, F. W., 36.
 Lovisolo, O., 24, 86, 205.
 Lovvorn, R. L., 30, 268, 305, 339.
 Lower, H. F., 127, 143.
 Lowndes jr., R. I., 223.
 Lownsbury, B. F., 39, 106, 134, 145.
 Lownsbury, J. W., 39, 106.
 Lowther, C. V., 24, 82.
 Lowy, B., 24.
 Lucardie, M., 68.
 Lucas, E. H., 82.
 Luce, W. A., 160, 174.
 Luchetti, G., 162, 183.
 Lucie-Smith, M. N., 198.
 Lucking, W. H., 237.
 Ludvik, G. F., 345.
 Ludwig, D., 52.
 Lüdecke, H., 113.
 Lüdge, W., 237.
 Lüdicke, M., 164, 345.
 Lüscher, M., 46, 47, 252, 298.
 Lüthi, H., 295.
 Lukashevich, A. I., 119.
 Luke jr., W. J., 285.
 Lull, H. W., 223.
 Luna Ercilla, C. A., 37.
 Lund, J. W. G., 304.
 Lundbergh, H., 298.
 Lundblad, K., 125.
 Lunden, A. P., 110.
 Lusena, C., 140.
 Lusin, V., 137.
 Lusus, E., 160, 189.
 Luttrell, E. S., 22, 128, 129, 158.
 Lutz, H. J., 244.
 Luvisi, G., 340.
 L'vov, S. D., 77.
 Lwowski, W., 65.
 Lyall, L. H., 339.
 Lykke, L., 247.
 Lyle, C., 270.
 Lynch, C., 252.
 Lynch, D. W., 220, 232.
 Lynch, P. B., 129.
 Lyon, A. V., 197.

Ma, P. T., 282, 283.
 Maag, R., 98, 112, 162, 252, 256, 330, 369.
 Maan, W. J., 171, 361.
 McAlister, D. F., 119.
 McAlister, H. J., 163, 189.
 MacAloney, J. H., 235.
 McAlpin, D. M., 189, 196.
 McBean, D. S., 91.
 McBeth, C. W., 349.
 McCabe, P. J., 53, 320.
 McCalla, A. G., 77.
 McCallan, S. E. A., 142, 159, 342.
 McCalley, R. W., 336.
 McCallum, A. W., 248.
 McCallum, R. D., 115.
 Maccanti, M., 162, 174, 175, 183.
 MacCarthy, H. R., 105.
 MacCarthy, T., 310.
 MacCaskie, C. T., 298.
 McCauley, W. E., 347, 349.
 McC. Callan, I. W., 87.
 McClain, R. L., 180.
 McClean, A. P. D., 156, 203.
 McClean, R. C., 1.
 McClellan, S., 127.
 McClellan, W. D., 256, 261, 264.
 McClure, F. A., 278.
 McClure, T. T., 175, 276.
 McColloch, L. P., 154, 295.
 McConnell, H. S., 94.
 McCowan, D., 62.
 McCoy, S. B., 223.
 McCrea, R. J., 310.
 McCrory, S. A., 187.
 McD. Grayson, J., 349.
 McDonald, E., 11.
 McDonald, H., 49.
 McDonald, J. A., 20.
 McDonnell, C. C., 335.
 McDonough, E. S., 8, 24.
 McDougall, W. A., 201, 288.
 McGahan, J. W., 22, 276, 283.
 McGeorge, W. J., 9.
 McGregor, E. G., 58.
 McGugan, B. M., 243, 326.
 Machacek, J. E., 78, 330.
 Machacek, S., 55.
 Machado, A., 274.
 Machatschke, J. W., 292.
 Machmer, J. H., 273.
 McIlrath, W. I., 267.
 Macindoe, R. H. F., 62, 326.
 McIntire, C. T., 257.
 McIntosh, A. E. S., 4.
 M'Intosh, T. P., 98.
 McIntyre, C. B., 178.
 Mack, G. L., 330, 342.
 MacKay, J. H. E., 154, 173.
 McKay, J. W., 204, 205.
 McKay, R., 110.
 McKee, R. G., 223.
 McKee, R. K., 26.
 McKeen, C., 24.
 McKeen, C. D., 144, 150.
 McKeen, W. E., 78, 79, 80, 82, 86, 113.
 Mackellar, D. G., 154.
 McKelvey, J. J., 121.
 McKenzie, D. W., 160, 185.
 McKenzie, H. L., 49.
 Mackenzie, J. M. D., 235.
 McKibben, G. E., 76.
 McKinlay, K. S., 167, 171, 342, 358.
 McKinney, H. H., 97, 131, 135.
 McKnight, J. S., 298.
 McKnight, T., 137, 206, 280.
 Mackoff, S., 30.
 MacLachlan, D. S., 18, 138.
 MacLagan, D. St., 318, 335.
 McLarty, H. R., 161.
 McLaughlin, J. H., 141, 273.
 McLaughlin, R. M., 366.
 MacLaurin, A. M., 244, 323.

- McLean, D. M., 44, 158, 255.
MacLean, J. D., 252.
MacLean, N. A., 261, 262, 264.
McLeod, D. J., 111.
McLeod, J. H., 244, 318.
McLeod, W. S., 167, 349.
McManus, P. J., 330.
McMillen, J. M., 252.
McMullen, M. J., 250.
McMurray, S. F., 17.
McMurtrey jr., J. E., 132.
McNamara, J. J., 33.
McNay, C. G., 72, 74, 288.
MacNear, B. T., 158.
McNew, G. L., 142, 159, 358.
McQuilkin, W. E., 233.
McRae, H., 129.
MacRae, J. W., 29.
Macrae, R., 25, 229.
MacSwan, I. C., 71.
McWorther, F. P., 67, 122, 260, 262.
McWilliams, J. P., 237.
Madden, E. A., 266.
Madel, W., 148.
Madsen, H. F., 171, 188.
Madsen, L. L., 364.
Mändl, B., 292.
Maercks, H., 50, 130.
Magdorf, R., 240.
Magee, C. J., 280.
Magi, A. O., 227.
Magie, R., 13.
Magie, R. O., 261, 305.
Magnani, G., 211.
Magness, J. R., 305.
Magnifskii, K. P., 100.
Mahadevan, V., 288.
Mahmud, K. A., 137, 149, 157, 266, 268, 278, 286, 304.
Mahner, A., 30.
Mahr, J. A., 155.
Mai, W. F., 39, 101, 106.
Maibach, 239.
Maibach, E., 366.
Maier-Bode, F. W., 1, 88.
Maiert, W., 146.
Maines, W. W., 51, 130, 347.
Mains, E. B., 20.
Maisenhelder, L. C., 298.
Major, W. A., 335.
Makarewskaja, E. A., 9.
Makarewskaja, J. A., 132.
Makhotin, A. A., 293.
Maki, T. E., 225, 234, 247.
Maksimovic, M., 246, 323.
Maku, T., 252.
Malaguti, G., 86, 198.
Malençon, G., 227, 286.
Malenkowicz, B., 252.
Maletic, J. T., 30, 339.
Maliani, C., 77.
Malkin, J., 203.
Malla, D. S., 295.
Mallach, N., 164, 171.
Mallekote, L., 146.
Mallis, A., 303.
Mallo, R. G., 47, 105, 302, 349.
Malmus, N., 52, 74.
Maltais, J. B., 123.
Maltha, P., 292.
Manabe, T., 219.
Mandel, J. D., 175, 326.
Mandelson, L. F., 294.
Manefield, T., 201.
Maner, C., 11.
Manigault, P., 261.
Manil, P., 18.
Manis, W. E., 275.
Man'ko, N. F., 171.
Manlio Castillo, L., 118.
Mann, G., 339.
Mann, H., 14.
Mann, R. H., 252, 299.
Mann, W. F., 247.
Manners, J. G., 24.
Manning, C. T., 34.
Manning, H. L., 268.
Mannucci, E., 24, 83.
Mansfeld, K., 63, 361.
Manson, G. F., 134.
Mansson, E., 82.
Manten, A., 358.
Mapother, H. R., 342.
Mappes, F., 142.
Maraïama, S. J., 155.
Marais, E., 355.
Marais, S. J. S., 131.
Maramorosch, K., 67, 97, 260.
Maravalhas, N., 11.
Marcelin, P., 205.
Marcelli, E., 34, 132, 355.
Marcenac, N., 366.
Marchionatto, J. B., 26, 72, 80.
Marcovitch, S., 349.
Marcus, 103, 139, 292, 310, 366.
Marcus, C. P., 195.
Margadant, W. D., 129.
Mariani, C., 86.
Marien, A., 175.
Mariën, D., 143.
Marimpietri, L., 342.
Marin H., C., 271.
Marini, E., 80, 89, 97, 111, 260, 338.
Marion, J., 227, 286.
Marion, P. T., 36.
Marke, D. J. B., 349, 361.
Markham, B. S., 32.
Markham, R., 66, 146.
Markovets, A., 70.
Marković, A. A., 264.
Markus, A., 162.
Marlé, G., 167.
Marmontov, D., 246.
Marquardt, H., 227.
Marquez Delgado, A., 334.
Marras, G., 349.
Marrison, L. W., 349.
Marsais, P., 207.
Marschall, W. L., 36.
Marsden, D. H., 14, 17, 252.
Marsh, C., 171.
Marsh, P. B., 267.
Marsh, R. W., 185, 186, 187, 248, 332, 335.
Marshall, D. S., 73, 126, 131.
Marshall, E. R., 89.
Marshall, G. E., 178, 189, 194, 330.
Marshall, J., 171, 314, 361.
Marshall, R. P., 230.
Marstrand, H., 292, 303.
Martelli, G. M., 44, 108, 140, 159.
Martelli, M., 178.
Marth, P. C., 174.
Martin, C., 259.
Martin, D. F., 205.
Martin, G. C., 134.
Martin, H., 165, 178, 201, 335, 345.
Martin, J. A., 34.
Martin, J. H., 76.
Martin, J. P., 282.
Martin, J. T., 335.
Martin, W. J., 270, 276.
Martin, W. W., 366.
Martinez, A., 50.
Martinez, J., 88.
Martínez Andreu, A., 310.
Martínez Cordón, F., 66.
Martini, 103, 290.
Martinović, M., 175, 290.
Martins, A. O., 98.
Martorell, L. F., 48, 272.
Martouret, D., 91.
Martyn, E. B., 72, 266.
Martyn, E. J., 74, 131, 349.
Martysjuk, S. P., 239, 349.
Martz, R. O., 219.
Marucci, P. E., 166, 318.
Marudarajan, D., 286.
Maruyama, E., 218.
Marzusch, K., 108, 306.
Masajewa, M. M., 13.
Mascazzini, F., 286.
Mascetti V., G., 349.
Maslennikov, I. P., 143.
Mason, A. F., 312.
Mason, C. L., 175, 180.
Mason, C. T., 332.
Masee, A. M., 41, 163.
Massenet, M., 82, 257.
Massey, D. M., 72.

- Massey, L. M., 264.
 Masshardt, H., 366.
 Masson, P., 146.
 Masten, V., 164.
 Masters, L. C., 197.
 Mastnak, A., 79.
 Masuda, Y., 361.
 Matagrin, A., 299.
 Matagrin, M. A., 252.
 Mather, H. J., 33.
 Mathes, R., 285, 323.
 Mathias, A. F., 172, 345.
 Mathiesen, A., 22, 248.
 Mathlein, R., 292.
 Mathrani, D. I., 133.
 Mathur, R. S., 26.
 Mathys, G., 48, 164.
 Matkovskii, S. T., 27, 320.
 Matsubara, H., 335, 353.
 Matsui, C., 326.
 Matsumiya, H., 111.
 Matsumoto, M., 87, 219.
 Matsumoto, S., 148.
 Matsumoto, Y., 223.
 Matsuo, I., 121.
 Matsuzawa, H., 148, 295.
 Matt, J., 171.
 Matthée, J. J., 44.
 Matthewman, W. G., 150.
 Matthews, L. J., 191, 355.
 Matthews, R. E. F., 68, 136.
 Matthews, V. D., 265.
 Matthyse, J. G., 17.
 Mattingley, G. H., 98.
 Mattus, G. E., 183.
 Matuo, T., 255.
 Matwejenko, T. M., 134.
 Matz, J., 98, 111.
 Mauch, A., 295, 361.
 Maughan, F. B., 358.
 Maurer, K. J., 160.
 Maurizio, A., 366.
 Mauro, J., 74.
 Maury, R., 74, 211.
 Maximow, A. A., 62.
 Maxwell, C. W. B., 194.
 Maxwell, N., 197.
 Maxwell, N. P., 197.
 May, A. W. S., 105, 270.
 May, C., 216, 232, 249.
 Mayen, F., 58.
 Mayer, 349.
 Mayer, A., 17.
 Mayer, E. L., 335, 353.
 Mayer, H. R., 108.
 Mayer, K., 292, 335, 342.
 Mayeux, M. M., 360.
 Mayfield, P., 314, 335.
 Mayfield, P. B., 252.
 Maynard, E. A., 42.
 Mayné, R., 216.
 Mayor, E., 20, 24.
 Mazanashvili, G., 214.
 Mazjuk, I. A., 308.
 Mazzei Patrone, I., 211.
 Mead, H. W., 78.
 Meade, R. H., 17.
 Meadly, G. R. W., 32, 339.
 Meagher, G., 299.
 Meckstroth, G. A., 199.
 Medda, A., 349.
 Medina Blanco, M., 70.
 Medler, J. T., 288, 361.
 Medvedev, S. I., 74.
 Medvedeva, V. I., 121.
 Meehan, F. L., 26.
 Meek, W. L., 300.
 Meeuse, A. D. J., 302.
 Mehl, S., 62, 361.
 Mehrotra, B. S., 21.
 Mehta, P. R., 82, 86, 98, 266, 278.
 Mehta, T. R., 137.
 Meierhans, J., 227.
 Meiffren, M., 277.
 Meiners, J. P., 129.
 Meisakhovich, I. A., 361.
 Meißner, F., 14.
 Meissner, R., 353.
 Meith, H. C., 198.
 Melander, L. W., 30.
 Melchers, G., 64.
 Meletti, P., 120.
 Melhus, I. E., 87.
 Melis, A., 70, 140, 164, 310, 335.
 Mellini, E., 304.
 Mellor, F. C., 195.
 Melville, A. R., 274.
 Melville, C., 157, 294.
 Memelink, G., 219.
 Mende, P. F., 237, 292.
 Mendes, L. O. T., 274.
 Mendez R., E. D., 268.
 Mendizabal, M., 362.
 Meneghini, M., 135.
 Menis, Y., 152, 171.
 Menke, 318, 330.
 Menke, H. F., 366.
 Menon, K. P. V., 277.
 Mentz, N. J., 88, 337.
 Mentzer, C., 43.
 Menzel, R., 178, 212.
 Menzies, J. D., 74, 111, 127.
 Mercer, F., 66, 135.
 Mercer, R., 88.
 Mercier, H., 207.
 Merker, E., 242.
 Merkle, R., 227.
 Merny, G., 280.
 Merriam, D., 109.
 Merrifield, J., 95.
 Merrill, H. A., 168.
 Merrill jr., L. G., 143, 144, 150.
 Mertin, J. V., 366.
 Mesa-Bernal, D., 13, 277.
 Mesa Carrion, F., 201.
 Messiaen, J. M., 186.
 Messing, J. H. L., 72.
 Mestre Artigas, A., 207.
 Metaye, R., 281.
 Metcalf, C. L., 41, 324.
 Metcalf, M. E., 216.
 Metcalf, R. L., 73, 171, 200, 344, 350.
 Metelmann, R., 242.
 Metha, P. R., 101.
 Mettenheim, A. E. v., 358.
 Meyer, A. B., 223.
 Meyer, E., 335.
 Meyer, F., 166.
 Meyer, H., 219, 225, 227.
 Meyer, J., 237.
 Meyer, J. R., 26.
 Meyer, K. H., 216.
 Meyer, W., 326.
 Meyer-Hermann, 13, 30, 90, 369.
 Meyl, A. H., 39.
 Mezzetti, A., 22, 91, 100, 103, 137, 155, 174, 182, 183, 258.
 Mezzetti Bambacioni, V., 140.
 Michael, R., 276.
 Michaelson, M. E., 75, 78, 136.
 Michel, A., 11.
 Michel, E., 134.
 Michelbacher, A. E., 150, 205, 288.
 Michener, Ch. D., 41.
 Michener, M. H., 41.
 Michet, J., 13.
 Mickalitis, A. B., 219.
 Mickel, C. E., 261.
 Mickle, G., 335.
 Mickle, G. T., 171.
 Middlekauff, W. W., 121, 150, 205.
 Middleton, J. T., 132, 156, 157.
 Miedema, R. P. H., 13.
 Miège, E., 112, 211, 339.
 Mielke, R., 56.
 Mieller, H., 312, 371.
 Mihov, A., 122.
 Mikhailova, V. N., 99.
 Mikkelsen, J. C., 260.
 Mikšić, R., 52.
 Milatović, I., 186, 217.
 Milbrath, J. A., 102, 180.
 Miles, G. F., 117, 128.
 Miles, H., 182.
 Miles, M., 39, 148, 157, 182.
 Miles, P., 206.
 Miley, D. G., 270.
 Milisavljevic, D., 211.
 Millar, R. L., 81, 87.
 Millard, R., 287.

- Miller, A. C., 303.
Miller, E. V., 280.
Miller, F., 139.
Miller, H. F., 270, 342, 360.
Miller jr., H. F., 268.
Miller, H. N., 316.
Miller, J. H., 120, 185, 219.
Miller, J. J., 318, 353.
Miller, J. M., 362.
Miller, L. P., 47.
Miller, L. S., 347.
Miller, L. W., 74.
Miller, M. E., 82.
Miller, N. C. E., 37, 328.
Miller, P. R., 3, 142, 159, 226, 286, 332, 369.
Miller, P. W., 195, 196, 205.
Miller, R. B., 223.
Millikan, C. R., 137.
Milliman, L. H., 167.
Mills, M., 79.
Mills, P. J., 283.
Mills, W. D., 159, 162, 171, 174.
Milner, M., 91, 362.
Milosavljević, M., 14.
Milosavljević, R., 362.
Milton, R. H., 132, 133, 134.
Minabe, M., 78, 80.
Minamikawa, J., 55.
Minarik, C. E., 339.
Minderhoud, A., 41.
Miner, F. D., 95, 131.
Miner, M. L., 364.
Minerbi, G., 77, 137.
Minev, K., 83.
Minga, A. E., 332.
Minges, P. A., 149.
Minnum, E. C., 142, 257.
Minshall, W. H., 16, 32, 355.
Minton, N. A., 13, 192.
Mintz, G., 39.
Minutillo, C., 247.
Minyaeva, O. M., 125.
Minz, G., 7, 371.
Mirić, M., 187.
Mirimanoff, A., 352.
Mironow, N. P., 247.
Mirsaschwili, W. I., 308.
Mirzabekian, R. O., 353.
Mischling, F., 112.
Misezkij, J. S., 239.
Mishchenko, L. L., 44.
Misra, J. N., 302.
Misra, S. D., 44.
Missonnier, J., 188, 292.
Mistic jr., W. J., 334.
Mital, S. P., 137.
Mitchell, A. E., 17, 171, 182, 187.
Mitchell, A. H., 170, 345.
Mitchell, C. J., 322.
Mitchell, G. H., 304.
Mitchell, J. E., 26.
Mitchell, N. D., 299.
Mitchell, W., 223.
Mitchell, W. C., 150, 276, 324.
Mitchener, A. V., 44, 71, 335.
Mitić, N., 164.
Miyagawa, I., 348.
Miyakawa, T., 67.
Miyake, T., 44.
Miyakoshi, M., 14.
Miyamoto, Y., 111.
Miyashita, K., 94.
Miyawaki, Y., 332.
Mizell, F. M., 358.
Mizoguchi, 369.
Moberg, H. A., 362.
Mochizuki, M., 122.
Modlibowska, I., 183.
Möhres, F. P., 326.
Møller, C. M., 217.
Møller, E.-F., 9.
Møller, H., 302.
Møller Nielsen, H., 17.
Moericke, V., 111.
Mössner, G., 190.
Mohanty, U., 18.
Mohorčić, H., 295.
Mohr, R. W., 366.
Moiseev, A. E., 62.
Moller, A. E., 103.
Moltschanowa, W. A., 220.
Molyneaux, R., 58.
Monasterios, R. H., 42.
Monastero, S., 58.
Monceau, G., 166, 201.
Mondt, L. R., 30.
Monin, A., 173.
Monk, R. J., 137, 192.
Monot, G., 50, 99.
Monro, H. A. U., 288, 335.
Montagne, J. Th. W., 316.
Montaldo, A., 106.
Montfort, C., 27.
Montgomery, H. B. S., 14.
Montgomery, W. L., 299.
Montón, L. G., 358.
Monvoisin, A., 294, 295, 303.
Mook, P. V., 254.
Moore, A. W., 131.
Moore, E. G., 83.
Moore, H. W., 44.
Moore, J., 339.
Moore, J. D., 151, 180.
Moore, J. E., 71, 152, 276.
Moore, L., 335.
Moore, L. H., 34, 171, 288, 310.
Moore, M. H., 183, 185, 187.
Moore, R. B., 223.
Moore, R. C., 174, 183.
Moore III, St., 288, 302.
Moore, T., 362.
Moore, T. E., 359.
Moore, W. C., 70.
Morales, E., 274.
Moreau, C., 26, 72, 198, 226, 231, 274.
Moreau, F., 8.
Moreau, M., 26, 198, 226, 231, 274.
Moreira, S., 203.
Moretti, G., 44.
Moretini, A., 140.
Morgan, C. V. G., 167.
Morgan, E. N., 229.
Morgan, M. J., 313, 360.
Morgan, N. G., 366.
Morgan, O. D., 71, 132, 133, 135.
Morgen, A., 207.
Mori, H., 362.
Mori, N., 370.
Mori, Sh., 306, 320.
Morihashi, T., 86.
Moriendo, F., 83, 229.
Morison, G. A., 362.
Morofsky, W. F., 248.
Morris, C. L., 248.
Morris, G. P., 83.
Morris, H. E., 174, 179.
Morris, H. M., 95.
Morris, R. F., 217, 232, 235, 244, 246, 324.
Morrison, F. O., 335.
Morrison, H. E., 335.
Morrison, L., 151.
Morrison, L. S., 8, 276.
Morrison, R. I., 353.
Morrow, E. B., 192.
Morstatt, H., 7, 44, 369.
Mosebach, E., 342.
Moser, 240, 314.
Moser, F., 178.
Moser, L., 209.
Moss, E. H., 24.
Mossé, J., 65.
Mossel, D. A. A., 295.
Mossop, M. C., 44.
Mote, D. C., 58.
Motohashi, S., 152.
Moulton, J. E., 192, 261.
Mountjoy, B. M., 100.
Mouravieff, M., 108.
Moutia, L. A., 287, 325.
Mouton, G., 223.
Mowry, J. B., 175.
Moyano, A. A. A., 209.
Moynihan, P., 349.
Mrkos, G., 75.
Muacevic, G., 335.
Mucci, F., 355.
Mudra, A., 6.
Mücke, K. H., 371.
Mühle, E., 111, 139, 157.

- Mühlethaler, P., 30.
Mühlmann, 211.
Mühlmann, H., 212.
Mülder, D., 229.
Müller, 115.
Müller, E., 22, 185, 343.
Müller, F., 62, 171.
Müller, F. P., 7, 50, 55, 62, 148,
171, 178, 185, 190, 214, 257, 303.
Müller, G., 33.
Müller, H., 242.
Müller, H. J., 49, 128.
Müller, H. W. K., 145, 194, 303.
Müller, K. R., 139.
Müller, L., 27.
Müller, M., 128.
Müller, P., 349.
Müller-Fembeck, J., 17.
Müller-Kögler, E., 244, 292.
Müller-Lenhartz, W., 1.
Müller-Using, D., 108.
Muello, A. C., 99.
Münch, H., 108, 318.
Münchberg, P., 358, 366.
Muenschler, W. C. L., 30.
Münster, J., 98, 99, 111.
Münzberg, H., 244.
Muesebeck, C. F. W., 5, 58.
Muir, W. D., 246.
Mujica, R. F., 139.
Muka, A. A., 73, 126.
Mukerji, S., 55.
Mukherjee, P. K., 262.
Mulder, D., 64, 180, 183, 191.
Muldrew, J. A., 317, 324.
Muller, A. S., 72.
Mullin, R. S., 119.
Mullison, W. R., 355, 356.
Muma, M. H., 94.
Muncie, J. H., 103.
Mundinger, F. G., 189.
Mundkur, B. B., 20.
Mungomery, R. W., 62, 285, 312.
Munjál, R. L., 283.
Munnecke, D. E., 83, 316.
Muñoz, J. E., 349.
Munro, J. A., 126, 290, 305, 315,
324, 335, 336.
Munusan jr., H., 126.
Mura, D., 349.
Murakishi, H. H., 119, 263.
Murase, H., 77.
Murata, T., 321.
Murayama, 242.
Murayama, D., 111.
Murbach, R., 51, 239.
Murillo Peralta, G., 86.
Murneek, A. E., 183, 256.
Murphy jr., M., 43.
Murphree, L. C., 257, 270, 335.
Murphy, D. R., 185.
Murphy, H. C., 84.
Murphy, K. S., 30, 370.
Murphy, N. F., 292.
Murrill, W. A., 24.
Murty, B. R., 134.
Musgrave, A. J., 318, 336, 353.
Mushnikova, K. S., 142.
Muskett, A. E., 137.
Muto, K., 14.
Mutz, H., 59, 194.
Muzik, T. J., 340, 356.
Myburgh, A. C., 140, 166, 212.
Myers, J. M., 134.
Myers, W. I., 248.
Myers, W. M., 129, 304.
Myhre, A. S., 196.
N
Nadel-Shiffman, M., 198.
Nadkarni, N. T., 272.
Nafthali, J., 62, 63.
Nafthali, Y., 292.
Nagaei, K., 349.
Nagaoka, N., 126.
Nagaoka, T., 349.
Nagar, D. S., 284.
Nagasawa, S., 362.
Nagel, C. M., 103, 155.
Nagel, H., 62.
Nair, K. R., 44.
Nair, T. G., 280.
Naito, N., 24, 119, 356.
Nakada, M., 49, 55.
Nakagawa, Y., 342.
Nakajima, E., 304.
Nakajima, S., 53.
Nakamura, K., 93.
Nakamura, T., 251.
Nakanishi, I., 78.
Nakano, H., 240.
Nakata, M., 73.
Nakayama, T., 332.
Nakazawa, B., 227.
Nakazima, M., 93, 349.
Nanayakkara, K. D. S. S., 279.
Nance, N. W., 72.
Nangnot, P., 349.
Nanobashvili, I., 214.
Narasimhan, M. J., 25.
Narayan, G., 343.
Narayanamurti, D., 252, 299.
Narayanan, E. S., 285.
Narematu, I., 152.
Nason, A., 22.
Natal'ina, O., 191.
Natarajan, T., 315.
Natrass, R. M., 21, 147, 286.
Naumow, N. A., 7.
Naumow, N. P., 62.
Naumowa, N. A., 83, 86.
Naundorf, G., 88.
Navarro, L., 16.
Nazarovna, M. Z., 135.
Neal, D. C., 270.
Neame, T., 171.
Neergaard, P., 2, 26, 70, 332.
Neher, M. B., 347.
Neilson, C. L., 105.
Neiswander, C. R., 95, 131.
Neiswander, R. B., 41, 72, 235,
237, 257.
Nel, R. I., 190.
Nelson, A. A., 61.
Nelson, A. L., 223.
Nelson, C. E., 13, 74, 77.
Nelson, H. D., 202.
Nelson, H. T., 171.
Nelson, K. E., 210, 211.
Nelson, K. S., 258.
Nelson, R., 144, 145, 157.
Nelson, R. H., 329, 335, 352, 353.
Nelson, R. M., 221, 223.
Nelson, R. T., 340.
Nelson, T. C., 219.
Nema, K. G., 137, 149, 278, 286.
Němec, P., 13.
Nemlienko, F. E., 78.
Neparokomow, A. W., 217.
Nepveu, P., 96.
Neri, C., 14.
Nettles, W. C., 93, 173, 371.
Netto, A. P., 62.
Netto, P. C., 275.
Neugebauer, W. O., 244.
Neumann, H., 190, 194, 257.
Neumark, S., 286.
Neuner, J., 211.
Neurath, F., 336.
Neves, C. M. B., 366.
Newbrough, D. R., 30.
Newcomer, E. J., 167.
Newell, I. M., 56, 150, 324.
Newhall, A. G., 26, 145, 316, 362.
Newhook, F. J., 136, 318.
Newman, A. S., 356.
Newsij, W. P., 49.
Newsom, L. D., 270, 271.
Newton, J. H., 171.
Newton, N., 68, 135.
Newton, W., 72, 332.
Nex, R. W., 316.
Niblett, M., 8, 56.
Nicolini, P., 24, 83.
Nicholas, D. J. D., 22.
Nicholls, V. O., 260.
Nichols, C. W., 180.
Nichols, J. P., 358.
Nichols, L. P., 153.
Nicholson, D. J., 27.
Nicholson, G., 83.
Nicholson, H. P., 337.
Nicke, W., 207.

- Nickell, L. G., 65, 66, 304.
Nickels, C. B., 205, 324.
Nickerson, N. H., 46.
Nickl-Navrdtil, H., 137.
Nicolaisen, N., 295.
Nicolaisen-Scupin, L., 290, 295.
Nicolas, G., 83.
Nicolini, J. C., 140.
Nicot, J., 26.
Nieland, L. T., 223.
Nielsen, E. L., 128.
Nielsen, L. W., 103, 276.
Nielsen, O., 88.
Nielson, M. W., 44, 180.
Nieman, C., 353.
Nieser, O., 30, 124.
Niethammer, A., 226, 318.
Nietzke, G., 366.
Nightingale, A. E., 336.
Nijveldt, W., 56.
Nikam, B. G., 33, 328.
Nikiforov, A. M., 288.
Nikitenko, G. F., 76.
Nikitina, T. F., 143.
Nikitiuk, A. I., 242, 324.
Nikkila, O. E., 353.
Niklas, 367.
Nikolajew, D. W., 308.
Nikolić, V., 116, 119, 180, 262.
Nikoljskaja, M. N., 49, 324.
Nikulina, N. K., 150.
Nilowa, W. P., 83.
Nilsson, E., 349.
Nilsson, P. E., 315.
Niner, G. C., 233.
Ninomiya, T., 68.
Nirula, K. K., 277.
Nishida, K., 128.
Nishida, T., 149.
Nishijima, Y., 96.
Nishikado, Y., 80, 276.
Nishikawa, M., 122.
Nishimoto, K., 251.
Nishimura, A., 353, 357.
Nishio, E., 349.
Nishiyama, K., 349.
Nishizawa, T., 91, 306.
Nisikado, Y., 332.
Nisikawa, Y., 365.
Niswander, R. E., 47.
Nitsch, J. P., 18, 155.
Nixon, G. E. J., 58.
Nixon, H. L., 65, 116.
Nizi, G., 140.
Noble, M., 310.
Nogarin, S., 206.
Nohara, Y., 35.
Nohe, E., 139.
Noirot, Ch., 46, 47.
Nolan, K., 345.
Noland, J. L., 303.
Noll, A., 83.
Noll, L., 312, 330.
Nolla, J. A. B., 284.
Nolte, H.-W., 39, 106, 122, 138, 141, 145, 146, 159, 237, 244, 324.
Nomura, K., 306.
Nonveiller, G., 55, 74, 108, 163, 244, 362.
Noordam, D., 258, 260, 264.
Noordhoff, L. J., 118.
Nopitsch, M., 302.
Nord, F. F., 225, 228.
Nordström, F., 148.
Norman, P. A., 202.
Norrbín, J., 17.
Norrie, J. C., 340.
Norris, D. O., 111.
Norris, J. J., 36.
Northcott, F. E., 45.
Northen, R. T., 367.
Nortje, J. H., 79.
Norton, E. A., 11.
Norton, L. B., 152, 364.
Norton, R. A., 30.
Nosek, J., 50, 235, 242, 318.
Notley, F. B., 275.
Novak, P., 47.
Novicky, S., 55.
Novikov, V. A., 77.
Novitzky, S., 318.
Novokreshenov, P. I., 157.
Nowak, A., 253, 299.
Nowak, W., 49, 111.
Noyes, H., 47, 288.
Nugent, T. J., 118.
Nunberg, M., 74, 235, 239.
Nuorteva, P., 49, 237, 238.
Nusbaum, C. J., 132, 133.
Nutman, F. J., 145.
Nutt, G. B., 268.
Nutter, G. C., 35, 129.
Nygaard, J., 223.
Nyland, G., 180, 181.
Nylinder, P., 8.
Nylund, R. E., 28, 30, 104, 162, 257.
Nyström, B., 217.
Oates, W. J., 363.
Oberle, G. D., 174.
Obermayer, G., 343.
Obrazzow, B. W., 247.
O'Brien, M., 369.
O'Brien, M. J., 286, 310.
Ocheretenko, E. E., 77.
O'Colla, P., 349.
O'Connor, R., 17.
Odland, M. L., 144.
Oebloom, K., 354.
Ødelien, M., 160.
Oertli, H., 211.
Oettingen, H. v., 47, 122.
Offord, H. R., 356.
Ogden, D., 113.
Ogihara, T., 13.
Ognjeva, S., 52.
Ohira, H., 276, 318.
Ohlander, M. C., 264.
Ohno, M., 353, 357.
Okada, T., 39.
Okamoto, D., 96.
Okamoto, H., 86, 148.
Okay, S., 44.
Okazaki, K., 95.
Okhova, E. P., 27.
Okinna, E. Z., 264.
Oldham, H., 280.
Olemares Miralles, E., 324.
Olivas, S. J., 103.
Olive, L. S., 22, 24.
Oliver, D. A., 233.
Oliver, T., 36.
Olivier, D., 227.
Ollagnier, M., 277.
Ollila, L., 307.
Olney, A. J., 14.
Oloff, H.-B., 63.
Olson, E. O., 198, 280.
Olson, H., 233.
Olson, N. A., 41.
Olson, P. J., 32, 90, 137.
Olsson, K., 187.
Olthuis, W., 247.
Omer-Cooper, J., 206.
Omori, H., 148.
Omote, Y., 353.
O'Neill, W. J., 164, 167, 189.
Onitsuka, M., 152.
Ono, K., 78, 79, 86.
Oort, A. J. P., 2.
Oostenbrink, M., 99, 122.
Oostendorp, A., 299.
Oppermann, A., 226, 229.
Opsahl, B., 346.
Opstal, W. J., 260.
Orchard, H. E., 30, 35, 36, 37, 340.
Orchard, W. R., 256.
Ordanini, P., 90.
Ordish, F. G., 214, 267.
Orem, M. T., 363.
Orengo, F., 349.
Orian, G., 282.
Orillo, F. T., 155.
Orjuela Navarrete, J., 83.
Orlick, J., 264.
Orlicz, T., 253.
Orloš, H., 217, 229, 253.
Orlova, A. A., 230.
Ormel, H. A., 106, 108.
Orrell, W. R., 342.

- Orsat, C. O., 207.
 Orsenigo, J. R., 275.
 Orsenigo, M., 22, 185, 205, 209.
 Orser, W. B., 42, 288.
 Ortega, J. C., 200, 205.
 Ortega, M., 62.
 Ortega Cantero, B., 88.
 Orth, H., 101.
 Orthmann, 127.
 Ortiz, M., 201.
 Ortiz Garmendia, J., 36.
 Ortos, H., 227.
 Os, F. H. L., 80.
 Osborn, B., 11.
 Osburn, M. R., 205.
 Ōshima, N., 111.
 Ōshima, S., 332.
 Osipov, A. E., 83.
 Osovio A., F., 76.
 Ossiannilsson, F., 66, 304, 344.
 Oster, G., 135.
 Ostling, J., 340.
 Osuna, P., 305.
 Osvald, 137.
 Osvald, H., 340.
 Oswald, J. W., 79, 97, 101, 127, 351.
 Otanes, F. Q., 44, 143, 263.
 Otey, G., 144.
 Otis, C. E., 330.
 Otto, H., 58.
 Ottoisson, L., 120.
 Otuka, M., 122.
 Ouchi, M., 95.
 Oughton, J., 146.
 Overland, A., 33, 90.
 Overlien, E., 223.
 Overly, F., 160.
 Ow, 217.
 Owen, H., 273.
 Owen, J. H., 151, 198, 272.
 Owen jr., K., 257.
 Owen, O., 72, 260.
 Owen, R. D., 66.
 Owens, H. W., 163.
 Owens, J. V., 273.
 Owens, P. N., 336.
 Owens, R. G., 131.
 Oxenham, B. L., 196, 280.
 Oya, T., 148.
 Ozerov, G. V., 275.
 Ozoe, S., 276.
 Ōzolinš, J., 90.
- P**aasi, K., 307.
 Pacheco M., F., 306.
 Packard, C. M., 47, 55, 122.
 Packard jr., H. R., 47.
 Pactt, J., 26, 55, 244, 278.
 Paddock Hess, K., 301.
- Pady, S. M., 19, 20.
 Page, A. B. P., 354.
 Page, G. E., 340, 362.
 Page, M., 90.
 Page, O. T., 101.
 Pagliano, T., 74.
 Paikin, D. M., 17.
 Painter, R. H., 95, 307, 318.
 Pal, B. P., 83, 103.
 Pal, R., 349.
 Palm, C. E., 288.
 Palm, Th., 238.
 Palmiter, D. H., 162, 180, 185, 186, 187.
 Palti, J., 7, 72, 125, 152, 371.
 Pampana, E. J., 336.
 Pande, J. N., 299.
 Panders, A., 357.
 Panella, A., 125.
 Panjan, M., 111, 187.
 Pan'kova, O., 191.
 Pannenberg, 369.
 Papaioannou, P., 140.
 Pape, H., 257, 260, 261, 263, 264, 265.
 Paramonow, A. A., 257.
 Paramonow, S. J., 310.
 Parencia jr., C. R., 269.
 Parfenowa, J. I., 281.
 Parfentjew, W. J., 242.
 Park, T., 53, 290, 292.
 Parker, E. R., 202.
 Parker, H. L., 122, 324.
 Parker, J. R., 45.
 Parker, K. G., 180.
 Parker, L. B., 52, 323.
 Parker, V. H., 358.
 Parker-Rhodes, A. F., 24.
 Parkin, E. A., 288, 292.
 Parks, T. H., 47, 55, 122, 127.
 Parmentier, G., 149.
 Parmentier, P., 105.
 Parneix, P., 171.
 Parr, T., 340.
 Parris, G. K., 150, 214.
 Parsons, H., 14, 167, 175, 182, 183, 189, 190.
 Partch, R. E., 217.
 Pascoe, T. A., 299.
 Pasfield, G., 58, 148.
 Pasinetti, L., 83, 113.
 Pasqui, G., 187.
 Passera, U., 210.
 Patch, L. H., 95.
 Patel, G. A., 44.
 Patel, H. K., 292.
 Patel, M. K., 18, 20, 23, 124, 129, 157, 211, 257, 266, 268, 278, 279, 286.
 Patel, P. L., 286.
 Patel, R. C., 292.
- Patel, R. M., 270, 286.
 Paterson, D. R., 289.
 Paterson, J. J., 314.
 Patiño, B., 71, 149.
 Patiño, M. B., 286.
 Patočka, J., 55.
 Patten, O. M., 299.
 Patterson, E. L., 68, 135.
 Patterson, J. C., 25.
 Patterson, R. E., 90.
 Patuelli, V., 17.
 Pauck, P., 74, 160.
 Paul, J. J., 347.
 Pauli, O., 299.
 Paulin, G., 89, 338.
 Paulus, A., 83, 120, 354.
 Paulus, A. O., 354.
 Pautzé, F., 30.
 Pavan, M., 354.
 Pavari, A., 206.
 Pavel'eva, M. S., 244.
 Pavgi, M. S., 24, 324.
 Pavlov, I. F., 131.
 Pavlychenko, T. K., 34, 340.
 Pawar, F. K., 33, 328.
 Payak, M. M., 21, 119, 278.
 Payatsuik, V. V., 104.
 Payne, D. J. H., 364.
 Payne, M. G., 104, 290.
 Peace, T. R., 217, 248.
 Peacock, A. D., 58.
 Peak, A. R., 67.
 Peak, J. W., 110.
 Pearch, L. C., 171.
 Pearse, C. K., 30, 233.
 Peay, W. E., 156.
 Pechmann, H. v., 253.
 Peck, E. C., 253.
 Pegazzano, F., 140, 164, 171.
 Peglion, V., 27.
 Pehrson, St. O., 297, 299.
 Peikert, F. W., 97.
 Peiris, J. W. L., 86.
 Peking, F., 74.
 Pélécassis, E. D., 69, 92, 93, 270.
 Pelikán, J., 47, 237, 258.
 Pelikan, W., 308.
 Pelluchi, L., 21.
 Pemberton, C. E., 285.
 Pemberton, E. J., 62.
 Pence, R. J., 280.
 Penman, H. L., 67.
 Penteado, M. P., 285.
 Pepe, G., 244.
 Pepler, W. A. E., 223.
 Pepper, B. B., 102, 347.
 Pepper, J. H., 126, 335.
 Perdeck, A. C., 44.
 Peredelskij, A. A., 292.
 Pereira, H. C., 275.
 Peretz, J., 336, 362.

- Peretz, Y., 143.
Perevjazkina, L. M., 268.
Pérez Enciso, M., 217.
Perez-Salas, J., 211.
Peri, C. A., 346.
Perišić, M., 20, 249.
Perišić, M. M., 139, 193.
Perkins, B. L., 101.
Perkins, W. C., 253.
Perkitny, T., 217, 299.
Perlman, A. E., 253.
Perlman, D., 217.
Perotti, R., 1.
Perret, J., 72.
Perret, J. E., 165.
Perrot, H., 160, 209.
Perry, E. L., 223.
Perry jr., J. P., 242.
Perry, V. G., 38.
Person, L. H., 276.
Persons, T. D., 179.
Persson, A. R., 142.
Persson, B., 139.
Perucci, E., 108.
Pesante, A., 17.
Pesaro, A., 362.
Pescott, E. E., 36.
Pesterev, P. G., 223.
Pestinskaja, T. W., 185.
Petch, C. E., 163, 332, 358.
Peter, K., 367.
Peter-Contesse, J., 27.
Peters, B. G., 39, 106, 310.
Peters, F., 361.
Peters, R., 344.
Peters, R. A., 35.
Petersen, A., 30.
Petersen, B. B., 228.
Petersen, D. H., 175.
Petersen, H. I., 30, 35, 129, 137, 340.
Petersen, P. D., 332.
Peterson, A., 41, 299.
Peterson, C. E., 145.
Peterson, E. A., 81, 87.
Peterson, E. H., 366.
Peterson, L. O. T., 238, 244, 246.
Peterson, P. D., 162.
Peterson, R. F., 75.
Petrak, F., 22, 26.
Petrik, A., 74, 93.
Petrik, C., 55, 74, 255.
Petrow, M. P., 13, 308.
Pettinari, C., 101, 152, 185, 328.
Petty, B. K., 336.
Petty, H. B., 95.
Peturson, B., 24.
Peyer, E., 207, 209, 214.
Peyresblanques, R., 17.
Pfadt, R. E., 335.
Pfaeltzer, J. W., 281.
Pffaff, C., 16.
Pfannenstiel, W., 342.
Pfeffer, A., 5, 41, 51, 217, 223.
Pfeiffer, R., 83, 90, 96, 356.
Pfrang, 305.
Pfützenreiter, 105, 239, 319.
Philipp, E., 191.
Philipp, W., 164, 171, 330, 358.
Phillips, J. H. H., 178.
Phillips, W. M., 91.
Piacco, R., 30, 90, 356.
Picco, D., 108, 189.
Pich, C., 316.
Pichler, F., 83, 86.
Piechocki, H., 62.
Pieler, E.-H., 369.
Pielou, D. P., 324.
Piemeisel, R. L., 72, 319.
Pierre-Louis, F., 25, 280.
Pierson, R. L., 171.
Pietraszkiewicz, J., 223.
Pijls, F. W. G., 17.
Pilát, A., 25.
Pilgrim, A. J., 206, 294.
Piller, J., 253.
Pimenova, A. S., 295.
Pindur, W., 168.
Pinheiro, J. V., 286.
Pintner, I. J., 9.
Pinto, M. P. D., 370.
Piot, R., 214.
Piper, D. E., 41.
Piquett, P. G., 302, 349.
Pirie, N. W., 64.
Pirone, P. P., 37.
Pisarska, M., 5.
Pis'mennyi, N., 316.
Pitcher, R. S., 194.
Pithioud, 206.
Pitman, A. L., 252.
Pivkina, A. F., 146.
Plakidas, A. G., 191, 262.
Planet, N., 367.
Plank, H. K., 278.
Plant, W., 37, 147.
Plasse, J. J. V. D., 52.
Plate, H.-P., 40, 50, 148, 157, 240, 256, 257, 262, 266, 324, 330.
Platt, A. W., 91.
Platt, R., 30.
Platzer, S., 99, 290.
Playfair, L., 30, 340.
Plazas M., G., 280.
Ploeg, H. L., 285.
Ploeger, P. L., 148.
Plouth, O. v., 26, 114, 336.
Plumb, J. L., 367.
Plummer, C. C., 201.
Pobegajlo, I., 180.
Pochon, J., 316.
Podhradzky, J., 83.
Podufalyi, T. I., 160.
Poelma, P. L., 350.
Pogue, R., 223.
Pohjakallio, O., 83, 99, 103, 125, 307.
Poignant, 106.
Poignant, P., 77, 183.
Poletaef, N., 340.
Polheim, P. v., 308.
Polivka, J. B., 39, 349.
Poljakow, J. M., 88, 199, 290, 305, 358, 369.
Poljakowa, Z. P., 139.
Pollard, E., 66, 68, 135.
Polozhenčev, P. A., 226.
Polozhii, A. V., 30.
Polunin, N., 19.
Pomerleau, R., 248.
Ponchet, J., 82.
Ponnaiya, B. W. X., 96.
Ponomarev, S., 116.
Pons, R., 144, 323.
Pont, M. A., 362.
Pontis, R. E., 275.
Pontis Videla, R. E., 79, 284, 320.
Poos, F. W., 100, 127, 273, 349.
Pootjes, J. R., 277.
Popenoe, W., 280.
Popov, M. V., 211.
Popov, P. V., 144, 150.
Popova, M. P., 159.
Popp, H. W., 144.
Popp, W., 81, 83, 84.
Porcheron, P., 357.
Porritt, S. W., 294.
Porter, B. A., 171, 206.
Porter, C. A., 260.
Porter, J. C., 36.
Porter, J. R., 18.
Porter, R. H., 315.
Porter jr., W. K., 358.
Portman, R. W., 163, 171.
Portsmouth, G. B., 281.
Posnette, A. F., 181, 273.
Pospelova, V. M., 74.
Post, G., 367.
Post, J. J., 103, 369.
Post, R. L., 292, 335, 336.
Postai, M., 166.
Postma, H., 11.
Potapenko, I. I., 214.
Potebnia, N. A., 231.
Potlaichuk, V. I., 104.
Potter, C., 330, 336, 342.
Potter, G. C., 292.
Potter, G. F., 278.
Potter, T. E. K., 285.
Potts, S. F., 362.
Poulos, P. L., 175, 185, 187.
Pound, D. W., 345, 364.
Pound, G. S., 146, 149, 152, 155.

Pourcharesse, P., 211.
 Poutiers, R., 55.
 Povolný, D., 55, 139, 178, 243.
 Povzun, L., 139.
 Powell, D., 18, 171, 175, 185, 332.
 Powell, T., 13.
 Powolotzkaja, K. L., 9.
 Pozzi, E., 362.
 Pradhan, S., 346.
 Prail, F. E. M., 30.
 Prakasam, P., 283.
 Prakash, S., 62, 247, 320.
 Praport, M., 247.
 Prasad, S. N., 284.
 Prasada, R., 129, 304.
 Prat, J., 349.
 Pratonlongo, U., 330.
 Pratt, G. H., 253.
 Pratt jr., J. J., 40, 333.
 Pratt, R. M., 171, 201, 313.
 Prax, J., 223.
 Prebble, M. L., 235.
 Prell, H., 242.
 Prentice, I. W., 196.
 Prenzlín, 131.
 Prescott, H. W., 46.
 Prešern, T., 108.
 Presley, J. T., 268, 329.
 Preston, A. P., 183.
 Prevot, P., 273.
 Price jr., C. W., 299.
 Price, M.-D., 62.
 Price, W. A., 291, 348.
 Price, W. C., 156.
 Prickett, C. S., 366.
 Pridham, A. M. S., 17, 257.
 Pridham, S. M. S., 340.
 Priesner, H., 47.
 Primost, E., 355.
 Prince, V. E., 174.
 Princi, F., 336, 367.
 Princis, K., 303.
 Prints, I. I., 214.
 Pritchard, A. E., 40, 56, 167, 260, 263, 304, 349.
 Pritschau, F., 99.
 Probst, K., 212.
 Prochownik, S., 299.
 Proebsting, E. L., 12, 13.
 Prokopenko, S. F., 208, 217, 362.
 Prokopp, S., 299.
 Prosser, D. S., 196.
 Prosser jr., D. S., 362.
 Proust, J., 53.
 Provasoli, L., 9.
 Prowse, G. A., 321.
 Pruthi, H. S., 44, 45.
 Pryanishnikova, Z. D., 139.
 Pryor, M. R., 33.
 Przygodda, W., 60, 62, 326.
 Pschorn-Walcher, H., 217.

Pugsley, A. T., 83.
 Pulver, R., 345.
 Pupillo, M., 100, 101, 150, 175, 196.
 Pupysheva, L. I., 206.
 Purnell, D. C., 10, 14.
 Purucker, H., 294.
 Purushotham, A., 299.
 Pushin, F. E., 362.
 Pushkarnath, 103.
 Pussard, R., 54, 143, 262, 264.
 Putman, W. L., 177.
 Putnam, H. O., 83.
 Putnam, L. G., 43.
 Putnam, N. F., 30.
 Puttarudriah, M., 275, 286.
 Puzyr, H., 216.
 Puzzi, D., 201, 284.
 Pyenson, L. L., 1.

Qaiyum, M. A., 267.
 Quackenbush, F. W., 12, 118.
 Quadri, M. A. H., 217, 233, 235, 236, 240.
 Quanjer, H. M., 187, 305.
 Quantz, L., 123.
 Quayle, J. R., 49.
 Queisser, H., 343.
 Quesada, A., 349.
 Quesada, T. R., 275.
 Questel, D. D., 92, 95.
 Questel, R., 226, 302.
 Quidet, P., 134.
 Quiles, A., 127.
 Quimby, C., 62.
 Quirós Calvo, M., 275.
 Quisenberry, K. S., 82.

Rabeler, W., 90.
 Rabunets, N. A., 295.
 Racicot, H. N., 111, 192.
 Radeleff, R. D., 367.
 Rademacher, B., 30, 60, 83, 88, 90, 108, 114, 356.
 Rader, W. E., 206.
 Radev, R., 50.
 Radke, W., 1.
 Radomski, J. L., 364.
 Rafay, S. A., 283.
 Raffel, S., 1.
 Ragless, G. B., 206.
 Rahman, S. M. A., 286.
 Raichlin, F. I., 301.
 Raidt, W., 101, 103.
 Rainey, R. C., 45.
 Rainwater, C. F., 271.
 Rakitin, I. V., 160.
 Rakitin, J. W., 183.
 Raleigh, S. M., 90.
 Ramachandran, S., 288.
 Ramadier, P., 188.
 Ramakrishnan, C. V., 138.
 Ramakrishnan, S. P., 62, 247, 320.
 Ramakrishnan, T. S., 20, 25.
 Ramanathan, V., 275.
 Rambier, A., 43.
 Ramirez Sanchez, A., 30.
 Ramme, W., 42.
 Ramos, M. J., 270.
 Ramsbottom, J., 22.
 Ramsey, G. B., 145, 176.
 Ramsfjell, T., 185, 260.
 Randall, C. G., 77.
 Randall, T. E., 112.
 Randle, S. B., 330.
 Ranganathan, V., 252, 299.
 Ranghell, G. A., 11.
 Rankin, D. F., 111.
 Ranninger, R., 145.
 Rao, B. S., 343.
 Rao, G. N., 285.
 Rao, J. T., 285.
 Rao, S. N., 56.
 Rao, V. L., 283.
 Rao, V. P., 49.
 Raphael, H. J., 253.
 Rapin, J., 88.
 Raski, D. J., 115.
 Raskin, A., 58.
 Rasmussen, L., 90, 116.
 Rasmussen, L. W., 33.
 Rasmussen, P. M., 294.
 Ratanova, V. F., 293.
 Ratcliffe, F. N., 62.
 Ratera, E. L., 33.
 Rath, 49, 162, 178, 190, 265, 308.
 Rathburn, F. L., 150, 324.
 Ratkovich, M., 156.
 Ratra, R. S., 252.
 Raubitschek, F., 354.
 Raucourt, M., 330, 359, 367.
 Rauh, G., 247.
 Rauh, W., 20.
 Raul, A., 90.
 Raus, S. G., 308.
 Rausch, H., 219, 241.
 Rauscher, H., 292.
 Ravanello, G., 86.
 Ravault, L., 82, 314, 315, 343.
 Raw, F., 52.
 Rawlings, C. O., 205.
 Rawlins, W. A., 145, 152.
 Rawson, A. J., 312.
 Ray, J. N., 253.
 Ray, L. L., 267.
 Raychaudhuri, S. P., 65, 136.
 Rayner, D. S., 197.
 Rayner, H. J. W., 328.
 Rayner, R. W., 275.
 Rea, H. E., 33, 34, 35, 268.

- Rea jr., J. L., 222.
Read, F. G., 316.
Read, H., 90.
Read, W. H., 72, 257, 332, 349.
Réal, P., 201.
Realì, G., 55.
Rebert, A.-F., 354.
Rebour, H., 196.
Recke, 241.
Recke, von der, 14.
Reckendorfer, P., 17.
Redding, H., 219.
Reddy, D. B., 292.
Redmond, D. R., 226.
Reece, P. C., 197.
Reed, C. F., 27.
Reed, J., 317, 362.
Reed, J. K., 271, 272.
Reed, J. P., 144, 317.
Reed, L. L., 248.
Reed, P. G., 27.
Reeks, W. A., 246.
Reese, E. T., 303.
Reeves, E. L., 181.
Refatti, E., 5, 163, 185, 189.
Regel, F., 246.
Régnier, 114.
Régnier, R., 52.
Rego, C. V., 74.
Rehm, M., 293.
Reich, H., 62, 163, 168, 171, 314, 367.
Reichart, G., 55, 165, 189.
Reichelt, K., 142.
Reichmuth, W., 253, 319, 349, 367.
Reid, D. A., 76.
Reid, E., 38, 106.
Reid, E. H., 131.
Reid, R. D., 191, 196.
Reid jr., W. J., 6, 143.
Reiff, M., 358.
Reimann, W., 93, 115.
Reinboldt, B., 21.
Reines, M., 90.
Reinhard, H. J., 126.
Reinking, O. A., 280, 286.
Reinking, R. B., 43.
Reinmuth, E., 306.
Reisinger, 293, 370.
Reisinger, E., 171, 305, 356.
Reißig, J., 241.
Reitsma, J., 281.
Reitz, H. C., 352.
Reitz, L. P., 82.
Rekach, V. N., 214.
Remaudière, G., 49.
Renaud, J., 211.
Rennels, R. G., 244.
Renner, F., 171.
Rennerfelt, E., 217, 219, 232, 248, 253.
Renon, 223.
Resinko, D. S., 247.
Reuß, E., 171.
Reuther, W., 196, 197.
Revilla M., V. A., 83.
Rex, E. G., 231, 248.
Reyes, G. M., 263.
Reynolds, H. T., 93, 151.
Reynolds, H. W., 115, 304.
Reynolds, J. D., 120.
Řezáč, M., 8, 93, 288, 324.
Rezende, J., 272.
Rhoades, D. G., 197.
Rhoads, R. B., 97.
Rhodes, A. M., 119.
Rhodes, E. O., 358.
Riabchenko, I. M., 211.
Ribaldi, M., 231, 321.
Ribeiro, J. H. C., 280.
Ricchello, A., 330, 370.
Ricci, I., 108.
Ricci, M., 303.
Ricci, P., 187.
Riceman, D. S., 13.
Rich, A. E., 111.
Rich, S., 8, 26, 344, 357.
Richards, A. A., 259.
Richards, A. G., 41.
Richards, B. L., 181.
Richards, C. A., 249, 250.
Richards, G. S., 26.
Richards, I. T., 299.
Richards, O. W., 293.
Richardson, B. H., 156.
Richardson, Ch. H., 293, 349.
Richardson, H. H., 262.
Richardson, H. P., 193, 194.
Richardson, J. F., 221.
Richardson, L. T., 103, 104, 111, 138, 155.
Richardson, N. A., 253.
Richardson, S. D., 223.
Richardson, T. C., 272.
Richel, C., 103, 369.
Richmond, H. A., 236.
Richter, 14.
Richter, B., 178, 190.
Richter, G., 52, 239, 358.
Richter, H., 101, 263, 264, 305, 371.
Rick, C. M., 153.
Rickard, J. A., 272, 308.
Riddick, J. A., 351.
Ridé, M., 204.
Ridgway, H. W., 257.
Rieben, E., 129.
Riedl, F., 127, 131.
Riegert, P. W., 44.
Riemschneider, R., 40, 350.
Riepma, P., 35, 89, 118, 338.
Ries, S. K., 145.
Riess, K., 37.
Rietberg, H., 116.
Rieuf, P., 153, 199, 203.
Riherd, P. T., 131.
Rijven, A., 18.
Riker, A. J., 7, 229, 230, 231, 307.
Riley, C. G., 232.
Riley, E. A., 79.
Rimskij-Korsakow, M., 216.
Ring, 229.
Ring, D. S., 172.
Ring, K., 229.
Ring, R., 226.
Rings, R. W., 178.
Ringstad, S. P., 223.
Riquelme, J., 72.
Ripley, P. O., 10.
Ripley, S. H., 45.
Rippel-Baldes, A., 319.
Ripper, W., 369.
Ripper, W. E., 138, 319, 336, 340.
Risbec, J., 74, 91, 96.
Risbec, J. I., 58, 324.
Rischen, H. W. L., 250.
Rishbeth, J., 229.
Riskina, S. R., 290.
Ritcher, P. O., 122, 143, 239.
Ritschl, A., 152, 166, 257.
Ritt, A. E., 371.
Ritter, B., 229.
Ritter, M., 257.
Rittmeyer, K., 358.
Rivals, P., 211.
Riveros, J. E., 211.
Rivnay, E., 41, 350.
Rizzini, C. T., 27.
Rizzottij, A., 362.
Rjabow, M. A., 55.
Rjavchin, S. I., 70.
Roach, F. A., 184.
Roach, W. A., 13.
Roan, C. C., 302.
Roark, R. C., 336, 350, 354.
Robak, H., 219, 226.
Robb, T. R., 92.
Robbins, C. S., 327, 350, 367.
Robbins, R. E., 191.
Robbins, W. J., 8, 18.
Robbins, W. W., 30.
Robert, A., 241, 324.
Robert, M., 51.
Robert, P., 51, 239.
Roberti, D., 246.
Roberts, A. N., 262.
Roberts, B., 330.
Roberts, D. A., 65.
Roberts, E., 261.
Roberts, E. T., 151.
Roberts, G. L., 199.
Roberts, H. A., 120.
Roberts, J., 115.

- Roberts, R., 201.
 Roberts, R. M., 330.
 Robertson, C., 177.
 Robertson, C. E., 353.
 Robertson, N. F., 262.
 Robertson, R. B., 249, 250, 352.
 Robinson, A. G., 193, 194.
 Robinson, F. A., 367.
 Robinson, J., 153.
 Robinson, J. W., 233.
 Robinson jr., L., 150.
 Robinson, P. E., 284.
 Robinson, R., 120.
 Robinson, R. N., 293.
 Robinson, T. S., 49.
 Robles G., L., 79, 83.
 Roblot, M., 45.
 Roche, 211.
 Roche, J. N., 253.
 Roche, W., 114, 115.
 Rockwood, L. P., 321.
 Rodale, R., 162, 350.
 Rodenburg, D., 150.
 Rodenhiser, H. A., 80, 82, 83.
 Rodgers, E. E., 223.
 Rodrian, 208, 212.
 Rodriguez, A., 92.
 Rodriguez, J. C., 40, 172, 178.
 Rodriguez, Z. M., 11.
 Rodriguez Amieba, P., 84.
 Rodriguez Jurado, A., 340.
 Rodriguez Landaeta, A., 308.
 Rodríguez Sardiña, J., 68, 363.
 Roe, E. I., 233.
 Roe, J. W., 358.
 Roebuck, A., 62.
 Reed, H., 129.
 Roeder, K. D., 303, 350.
 Roegner-Aust, S., 367.
 Roehrich, A., 178.
 Roehrich, R., 45, 178, 319.
 Röhrig, 217, 247.
 Röhrig, E., 240.
 Röhrig, H., 236.
 Roemer, Th., 6.
 Rönnebeck, W., 100, 111, 371.
 Roepke, W., 55.
 Roepke, W. K. J., 55, 244, 278.
 Roesler, R., 167, 194.
 Rößler, P., 299.
 Roger, G. A., 35.
 Roger, L., 1, 72.
 Rogers, B. L., 182.
 Rogers, R. T., 253.
 Rogers, W. S., 14, 160, 172.
 Rogge, W., 288, 367.
 Rogoff, W. M., 350.
 Rohde, G., 41, 319, 354.
 Rohlf, J. A., 93.
 Rohrbach, P. W., 197.
 Rohrl, A. M., 233.
 Rohwer, S. A., 330.
 Roistacher, Ch. N., 262.
 Rojas, B., 334.
 Roka, L., 336.
 Rol, R., 206, 217, 226.
 Roland, G., 66, 111, 116, 145, 146, 157.
 Rolinson, G. N., 21.
 Rolland, L., 51.
 Roll-Hansen, J., 146.
 Rollin, L., 134.
 Rolston, L. H., 95.
 Roman, H., 86.
 Romano, A. H., 354.
 Romano, E., 11, 342, 345, 350.
 Romaschow, N. W., 308.
 Romashko, I. S., 214.
 Ronceray, F., 356.
 Roney, J. N., 45, 270, 288.
 Rontchevsky, W., 217.
 Rooney, H. A., 346.
 Roonwal, M. L., 44, 236, 239, 278, 299.
 Roos, M. J., 64.
 Roosen, P., 217, 253.
 Rosberg, D. W., 206, 263.
 Rose, D. H., 295.
 Rosella, E., 90, 156, 165, 172, 173, 176, 178, 194, 206, 208, 211, 212, 214, 258.
 Rosen, H. R., 76, 84.
 Rosenberg, D. Y., 23.
 Rosener, H., 160.
 Rosenstiel, R. G., 49, 131, 194, 265, 282.
 Rosenzopf, E., 66.
 Ross, A. F., 65.
 Ross, C. R., 14.
 Ross, H., 99, 110.
 Ross, R. G., 187.
 Ross, S. D., 273.
 Ross, W., 358.
 Rossetti, V., 21, 199.
 Rossi, C., 344.
 Rossi, L., 160, 169, 172.
 Rossi, M., 293.
 Rossiter, R. C., 124.
 Rostirolla, D. P. G., 173.
 Rostirolla, G., 13, 181, 206.
 Roßkothen, P., 241.
 Roth, E. R., 227.
 Roth, L. M., 293.
 Rothe, C. H., 105.
 Rothgeb, R. G., 339.
 Rothwell, W., 299.
 Rouart, S., 209.
 Roubal, J., 232.
 Rousel, J. S., 271.
 Routien, J. B., 229.
 Rouveroux, P., 208.
 Roux, E. R., 340.
 Rovira Valle, F., 214.
 Rowell, J. B., 128, 129.
 Rowland, H. B., 223.
 Roy, M., 80, 89, 209.
 Roy, R. S., 142.
 Roy, R. Y., 350.
 Roy, T. C., 137.
 Rozendaal, A., 66, 111.
 Rozsypal, J., 145.
 Rubin, B. A., 268.
 Rubins, E. J., 100.
 Rubner, K., 217.
 Rubzow, I. A., 201.
 Rudakov, B. I., 332.
 Rudebeck, G., 310.
 Rudnew, D. F., 55, 236, 241, 244.
 Rudoj, A. I., 219.
 Rudolf, P. O., 31, 215, 244, 340.
 Rudolf, W., 80, 103.
 Rümker, R. v., 26, 111.
 Ruffin, W. A., 271.
 Rufinelli, A., 72.
 Ruge, U., 153.
 Ruggieri, G., 198, 316.
 Ruhloff, M., 315.
 Rui, D., 13, 14, 64, 74, 88, 95, 164, 172, 173, 174, 176, 181, 189, 190, 206, 310, 343.
 Ruiz Castro, 208, 209.
 Ruiz Castro, A., 212.
 Ruizhkov, V. L., 66.
 Rumiantsev, P. D., 293.
 Rumley, G. E., 258.
 Rumph, A. F., 230.
 Rungs, Ch., 55.
 Rupert, J. A., 84.
 Rupf, H., 219, 238.
 Rupp, 208.
 Ruppel, R. F., 48.
 Rusakova, A. A., 155.
 Ruschmann, G., 11, 354.
 Rusiashevili, I. L., 212.
 Rusk, H. W., 364.
 Russel, J., 70, 362, 371.
 Russell, E. E., 127.
 Russell, R. C., 77, 84.
 Russo, G., 143, 319.
 Rust, R. E., 143.
 Rutschky, Ch. W., 95.
 Rutter, R., 326.
 Rutter, R. J., 244.
 Ruzaev, K. S., 350.
 Ruzinow, P. G., 27.
 Ryan, M., 21.
 Ryckman, R. E., 33, 328.
 Rydén, N., 56.
 Ryker, T. C., 31, 84, 283, 315.
 Ryle, G. B., 242.
 Ryvkin, B. V., 236, 242, 244, 324.
 Ryzhkov, V. L., 135.

- Saalas, U., 238.
Saaltink, G. J., 39.
Sabatini, F. L., 362.
Sabet, K. A., 18.
Saboe, L. C., 84, 118, 120.
Sabrosky, C. W., 280, 324.
Saburowa, P. W., 151.
Sacantamis, K., 280.
Saccas, A., 86.
Saccas, A. M., 79, 275, 278.
Sacharieva, B., 50.
Sacharow, L. S., 236.
Sacharow, P. S., 246.
Sackston, W. E., 137, 139.
Sadakane, A., 77.
Sadasiyan, T. S., 11, 309.
Saenger, G., 302.
Safeulla, K. M., 20.
Sahyeum, P. F., 344.
Saint-Leger, L., 365.
Saint Saenz, C., 41, 319.
Saito, M., 86.
Saitzawa, N. J., 9.
Sakai, S., 336.
Sakamoto, M., 19.
Saks, E. V., 299.
Sala de Casterlanau, P. I., 324.
Salas F., L. A., 271.
Salkeld, E. H., 367.
Sallans, B. J., 86.
Sallee, R. M., 58.
Sallenave, P., 278.
Salles, J. M., 97.
Salmon, E. S., 138.
Salmon, J. T., 42.
Salmon, S. C., 72.
Salonen, A., 125.
Salter, R. M., 31, 317, 330.
Sambroski, D. J., 77.
Samokhvalova, G. V., 49.
Samšićak, K., 58.
Samson, R. W., 154.
Samuel, B. L., 346.
Samuel, C. K., 60, 143.
Samuel, G., 330.
Sánchez Potes, A., 90, 128.
Sandermann, W., 253.
Sando, W. J., 97.
Sands, D. R., 84.
Sandsted, R. F., 102.
Sanford, G. B., 100, 153.
Sankar, D. V. S., 95.
Sankhov, E. A., 267.
Sann, U., 309.
Sansón, J., 14.
Santa, H., 148.
Sant'Anna, B., 58.
Santhanam, V., 267.
Santini, C., 312, 362.
Santini, L., 307.
Santolalla, N. R., 369.
Santomauro, L., 14.
Santor, R., 141, 324.
Santoro de Crouzel, I., 319.
Sanwal, B. D., 20.
Saponaro, A., 217.
Sarasola, A. A., 86, 227.
Sarasola, J. A., 84.
Sarejanni, J. A., 7, 70, 211.
Sarles, W. B., 1.
Sarma, P. S., 95.
Sarojini, T. S., 26, 286.
Sarospataki, G., 70.
Sarrabay, J., 209.
Sartori, G., 214, 330.
Sartorius, O., 209, 211, 213.
Sasonow, P. W., 84.
Sass, J. E., 315.
Sasscer, E. R., 5.
Sasser, J. N., 39, 106, 134.
Sato, I., 122.
Sato, M., 336.
Sato, S., 24, 330.
Sato, Y., 14.
Sattar, A., 84, 312.
Sattler, G., 242.
Sauer, H. F. G., 336.
Sauer, T., 172.
Sauger, L., 273.
Saunders, D. H., 354.
Sausman, V. A. N., 281.
Savary, A., 39, 67, 177, 260, 303.
Savile, D. B. O., 3, 25, 71, 74, 129, 304.
Savostin, P., 277.
Săvulescu, A., 70.
Săvulescu, T., 84, 304.
Săvulescu-Mamulea, O., 76.
Sawada, G., 265.
Sawada, K., 23.
Saxby, S. H., 36.
Saxon, R. B., 312.
Sayre, C. R., 272.
Scala, A., 299.
Scalambretti, F., 219.
Scandura, A., 370.
Scaramuzza, L. C., 282, 285, 286, 324.
Scaramuzzi, G., 84, 141, 181, 199, 258.
Scasso, J. M., 199.
Scavone, G., 160.
Schaal, L. A., 18, 98.
Schachman, H. K., 135.
Schacht, F., 70.
Schack, G., 369.
Schadskij, S., 217.
Schäfer, 131.
Schäfer, C., 172.
Schaefer, E. E., 72, 262.
Schärfe, E., 253.
Schaeffenberg, B., 39, 115, 164, 324, 358.
Schaffer, P. S., 354.
Schaffert, R. R., 343.
Schaffner jr., J. V., 58, 246.
Schaffranek, F., 293.
Schaible, L., 155.
Schake, 248.
Schaller, H. L., 275.
Schalychkina, W. J., 199.
Schaper, P., 103, 305, 307.
Schapiro, D., 53.
Schapiro, I. D., 47.
Schaposchnikow, G. Ch., 163, 189.
Scharmer, J., 131, 362.
Schaus, R., 35.
Schechter, M. S., 344.
Schedl, Ch., 244.
Schedl, K., 242.
Schedl, K. E., 53, 55, 242, 244.
Scheer, E., 164.
Scheerer, J., 182.
Scheerpeltz, O., 6, 58.
Scheffer, R. P., 151.
Scheffer, T. C., 299.
Scheibe, K., 103, 115.
Scheil, W., 159.
Schein, M. W., 62.
Schellenberg, A., 208.
Schempp, K., 299.
Schenk, H., 265.
Schenk, P. J., 17, 47, 49, 148, 149, 160, 162, 168, 194, 236, 257, 266, 293, 332.
Schenker, P., 41, 127.
Scherler, M., 107.
Scheruga, F., 359, 361.
Schery, R. W., 35, 343.
Schicke, P., 123.
Schiffel, M., 63, 371.
Schifferli, A., 367.
Schilling, W. E., 201.
Schimitschek, E., 6, 54, 70, 74, 217, 219, 242, 246, 299, 326.
Schindler, H., 145, 307, 345.
Schindler, U., 63, 219, 241, 362.
Schipstra, K., 76.
Schlatte, A. J., 219.
Schlehuber, A. M., 92.
Schleidt, W. M., 63.
Schleissing, O., 31.
Schlenker, G., 217.
Schlicht, W., 315.
Schlittler, J., 299.
Schlocker, A., 180, 181.
Schlösser, L. A., 115, 117.
Schlumberger, O., 14, 305.
Schmelzer, K., 116.
Schmid jun., G., 162.
Schmid, K., 132.
Schmid, O., 173.

- Schmidt, 217.
Schmidt, F., 123.
Schmidt, F. A., 367.
Schmidt, G., 41, 58, 166, 189.
Schmidt, H., 47, 148, 160, 217,
236, 237, 240, 244, 253, 299, 305,
342, 345.
Schmidt, H.-H., 8.
Schmidt, H. W., 63.
Schmidt, K., 370.
Schmidt, L., 108.
Schmidt, M., 148, 193, 312.
Schmidt, T., 150, 155, 314.
Schmitt, C. G., 358.
Schmitt, H., 88, 208.
Schmitt, J. B., 58, 288, 300.
Schmitt, N., 31.
Schmitz, G., 271.
Schmutterer, H., 238, 319.
Schmutz, F., 177.
Schnaider, Z., 245.
Schneider, 98.
Schneider, E. O., 132.
Schneider, C. L., 113.
Schneider, E. O., 133.
Schneider, F., 319.
Schneider, H., 197, 202.
Schneider, J. I., 199.
Schneider, R., 101, 231.
Schneirla, T. C., 58, 59.
Schnell, R. L., 297.
Schnelle, F., 160.
Schnickler, J. L., 330.
Schnitzer, A., 31.
Schober, K., 52, 310, 362.
Schober, R., 219.
Schoch, G., 362.
Schoel, W., 370.
Schoen, P. W., 223.
Schönbrunner, J., 17, 27, 37, 124,
125.
Schönhar, S., 229.
Schoenichen, W., 217.
Schofield, J. A., 253.
Scholles, W., 300.
Scholz, H. F., 31.
Scholz, J. J., 65.
Scholzel, E., 350.
Schone, W. J., 326.
Schoonover, W., 128.
Schoos, A. H., 224.
Schrader, 117, 305.
Schrader, G., 336, 345.
Schrader, L. L., 31.
Schrag, L., 324.
Schramm, G., 66.
Schread, J. C., 131, 246, 247.
Schreier, O., 63.
Schreiner, E. J., 217.
Schreuder, J. C., 119.
Schröder, A., 369.
Schroeder, C. A., 281.
Schroeder, W. T., 123, 143, 153,
155, 316, 362.
Schrödl, 60.
Schrödter, H., 115, 120, 191.
Schropp, W., 13.
Schubert, A., 327, 367.
Schuch, K., 300.
Schuder, D. L., 156, 336.
Schüle, 160.
Schütz, F., 145, 264.
Schuhmacher, G., 317, 372.
Schuldt, P. H., 227.
Schulhoff, C., 190.
Schulhoff, E., 190.
Schuller, K., 334.
Schultz, E. S., 111.
Schultz, H. B., 197.
Schulz, G., 253.
Schulze, B., 253, 300.
Schulze, K., 63, 122, 139, 172.
Schulze, W., 100.
Schumacher, G., 108, 362.
Schumakova, A. A., 199, 358.
Schumilenko, E. P., 86.
Schuster, G., 111.
Schuster, L., 327.
Schuster, N., 350.
Schustrow, A., 40.
Schutte, H., 15.
Schwabe, K., 347.
Schwaebel, F. X., 138, 343.
Schwanitz, F., 307.
Schwardt, H. H., 293.
Schwartz, D., 135.
Schwartz, E., 100, 108.
Schwartz, W., 253.
Schwartz, C. D., 162, 196.
Schwarz, R., 95.
Schwegmann, J., 270.
Schweicker, F., 63.
Schweiger, L. B., 342.
Schweizer, J., 281.
Schwerdtfeger, F., 52, 54, 217, 233,
239, 240, 241, 319, 350.
Schwester, D., 165.
Schwitzgebel, R. B., 293, 314.
Sciaroni, R. H., 121, 147, 158, 260,
264.
Scoggin, J. K., 51.
Scognamiglio, A., 319.
Scoles, C. L., 281.
Scossiroli, R., 15, 76, 77, 84, 97.
Scots, L. E., 192.
Scott, C. E., 18, 204.
Scott, D. H., 193.
Scott, E. L., 260.
Scott, F. M., 197.
Scott, H. W., 59.
Scott, W. C., 197.
Scott, W. E., 354.
Scott, W. O., 29, 35.
Scotti, T., 76, 77, 104.
Scrimgeour, J. H., 172.
Scurti, F., 350.
Scurti, J., 84, 161, 262.
Searcy, V. S., 268.
Sears, R. D., 286.
Seaver, F. J., 21.
Šebenik, M., 206.
Secrest, J. P., 313.
Seedorf, W., 231.
Seemann, J., 161.
Segall, R., 145.
Segrove, F., 293.
Ségué, E., 45, 56, 258, 324.
Seifert, M., 105, 293.
Seinhorst, J. W., 304.
Seitzer, 159, 172.
Seixas, C., 275.
Seixas, C. A., 59.
Sekera, F., 11, 13.
Sekiya, I., 54.
Sekiya, S. A., 306.
Selbo, N. L., 300.
Selivanova, S. N., 95, 96, 131.
Sellers, W. F., 287, 319.
Selke, K., 146, 289, 293, 305,
345, 350.
Sellon, F., 223.
Sembianti, R., 172.
Semeniuk, G., 79, 87.
Semenov, A. E., 148.
Semenova-Tian'shanskaia, A. M.,
36, 130.
Sen, A. B., 332.
Sengbusch, R. v., 194.
Sengupta, G. C., 286.
Senn, H. A., 5.
Sennels, N. J., 262.
Seravalli C., F., 45.
Serdunich, M., 115, 324.
Serdunich, S., 116.
Sergeev, L. I., 161.
Sergio, F., 211.
Serr, E. F., 163, 206.
Serrano, C., 88.
Serrano, P., 277.
Servadei, A., 47, 328.
Servazzi, O., 206, 260, 262.
Sessous, 6.
Seume, R., 369.
Sevastopulo, D. G., 74, 326.
Severin, H. C., 247.
Sexsmith, J. J., 340.
Shackleton, P., 236, 319.
Shadskii, S., 11.
Shafer, N. E., 31.
Shafranskaia, V. N., 231, 255.
Shaftan, I. M., 174.
Shakhov, A. A., 307.
Shaller, C. W., 79.

- Shands, W. A., 111.
Shanks, G. L., 32, 314.
Shapiro, I. D., 146, 350.
Sharapov, V. I., 172.
Sharikov, K. E., 104.
Sharma, O. P., 157, 304.
Sharma, S. L., 282.
Sharp, D. G., 135.
Sharp, S. S., 336.
Sharpless, R. V., 303.
Sharvelle, E. G., 169, 175, 176, 185, 193.
Shaulis, N., 209.
Shaw, C. D., 21.
Shaw, Ch. G., 21, 157, 211, 220, 310.
Shaw, D. E., 304.
Shaw, J. G., 201.
Shaw, N. H., 35.
Shaw, R. H., 103.
Shaw, W. C., 125, 273, 340.
Shay, J. R., 187.
Shchepot'ev, F. L., 206.
Shcherbinovskii, N. S., 117, 310.
Shedd, C. K., 293.
Sheffield, F. M. L., 145.
Sheftel', I. M., 178.
Shellenberger, J. A., 292.
Shelton, G., 36.
Shenefelt, R. D., 52, 231, 236, 239, 350.
Shepard, C. E., 179, 180.
Shepard, H. H., 336.
Shepherd, C. J., 133.
Shepherd, H. W., 128.
Sheppard, N., 49.
Sherbakoff, C. D., 86, 124.
Sherengovyi, P. Z., 185.
Sherf, A. F., 101, 314.
Sheriar, K. C., 27.
Sherman III, F., 178, 189.
Sherman, M., 276.
Sherman, R. W., 362.
Sherwin, H. S., 120.
Shestakova, A., 191.
Shevchenko, F. P., 76, 139.
Shibatsuji, T., 122.
Shibukawa, J., 183.
Shichijo, T., 142.
Shields, I. J., 231.
Shields, S. E., 17.
Shikano, T., 354.
Shilova-Krassova, S. A., 236, 326.
Shimazono, H., 226.
Shimizu, I., 361.
Shimizu, K., 53.
Shimizu, T., 314, 350.
Shinohara, T., 357.
Shipinova, S. I., 156.
Shipley, G. B., 253.
Shipman, H. J., 178.
Shirahama, K., 152.
Shirai, S., 91.
Shirek, F. H., 145.
Shirk, H. G., 287, 350.
Shisa, M., 147.
Shoji, K., 295.
Shoji, M., 329.
Shotwell, R. L., 45, 127, 350.
Shterenberg, P. M., 70.
Shtraukh, S. A., 231.
Shukowa, I. W., 84.
Shukowa, K. P., 114.
Shulman, S., 65.
Shulov, A., 42.
Shulyndin, A. F., 77.
Shumakova, R. R., 197.
Shumilenko, E. P., 84.
Shurtleff, M. C., 143, 172, 182.
Shvetsova, V. A., 293.
Siaens, F., 174.
Siaens, M. F., 176.
Sibilia, C., 70, 141, 211.
Sibold, N. V., 166, 326.
Siebeneick, H., 100.
Siebs, E., 187.
Siegel, J. J., 317.
Siegfried, O. v., 108.
Sieglinger, J. B., 291, 334.
Siegmann, 312.
Siegrist, H., 367.
Siggers, P. V., 229.
Sikes, L. M., 317.
Silber, G., 128.
Sill jr., W. H., 151.
Silla, R. R., 91.
Siller F., L. R., 273.
Silva C., J. S., 86.
Silveira, V. D., 7.
Silverborg, S. B., 300.
Silvestrow, S. I., 309.
Simard, T., 182.
Siminoff, P., 354.
Šimková, L., 293.
Simkover, H. G., 52, 231, 236, 239, 336, 350.
Simmonds, F. J., 278, 285.
Simmonds, H. W., 141, 277, 319, 325.
Simmonds, J. H., 280.
Simmonds, P. M., 86, 137.
Simmons, J. A., 338.
Simmons, P., 214.
Simmons, S. A., 262.
Simmons, S. W., 336, 367.
Simms, D. L., 223.
Simon, A., 350.
Simon, H. S., 365.
Simonds, A. O., 181.
Simonneau, P., 309.
Simons, J. N., 67.
Simpson, G. W., 111.
Simpson, L. J., 233, 236, 240.
Simpson, L. L., 223.
Simpson, R. G., 100.
Sinclair, W. B., 201, 205.
Sinden, J. W., 226.
Singer, R., 25.
Singer, S. J., 66.
Singh, B., 86, 157.
Singh, B. P., 306.
Singh, C., 270.
Singh, D. R., 283.
Singh, H., 55.
Singh, J., 98, 101.
Singh, R., 372.
Singh, R. S., 20, 86, 287.
Sinha, S., 21.
Sirai, T., 262.
Sirén, G., 226.
Sirum, B., 369.
Sisler, H. D., 25, 26, 343, 344.
Sisler, W. W., 78.
Sisley, C., 300.
Sitaraman, N. L., 278.
Sites, J. W., 202.
Sittig, 248, 358.
Sittig, O., 241.
Siu, R. G. H., 226, 302.
Sivori, E. M., 99.
Sjetne, E., 310.
Sjöberg, G. H., 31.
Skala, H., 41.
Skarbilowitsch, T. S., 74.
Skazkin, F. D., 77.
Skerrrett, E. J., 350.
Skillman, E. E., 260.
Skinner, F. A., 18.
Skinner, S. O., 283.
Skiver, C. E., 315.
Skodvin, K., 362.
Skolko, A. J., 120, 137, 354.
Skoog, F., 15.
Skuts'kii, K., 350.
Slaats, M., 130, 356.
Slankis, V., 220.
Slawson, H. H., 340.
Sleesman, J. P., 99, 143.
Sleeth, B., 125, 128, 304.
Slife, F. W., 29, 35.
Slifer, E. H., 45.
Slipka, J., 56.
Slipp, A. W., 229.
Śliwiński, A., 63.
Sloan, G. D., 201.
Sloan, M. J., 145, 152.
Slutsker, K. A., 142.
Slykhuis, J. T., 97.
Small, T., 108.
Smallman, B. N., 364.
Smallwood, G., 37.
Smay, F., 265.

- Smirnow, W., 202, 325.
Smirnowa, O. N., 189.
Smit, B., 52, 319, 336.
Smit, C. J. B., 45.
Smith, A. C., 121.
Smith, A. H., 25.
Smith A. J., 39, 132.
Smith, A. L., 268.
Smith, C. B., 155.
Smith, C. E., 271.
Smith, C. F., 174.
Smith, C. L., 206.
Smith, Chas. E., 147.
Smith, D. C., 128.
Smith, D. S., 45.
Smith, E. H., 178, 179.
Smith, F. D., 356.
Smith, F. F., 144, 257, 259, 264,
265, 266, 330, 345, 360, 365.
Smith, F. O., 185.
Smith, G., 41, 92.
Smith, G. E., 317.
Smith, G. L., 271, 335.
Smith, H. A., 366.
Smith, H. C., 155, 162, 185, 193.
Smith jr., H. F., 364.
Smith, H. P., 268.
Smith, I. C., 57.
Smith, J. B., 224.
Smith, J. D., 66, 129.
Smith jr., J. E., 256.
Smith, K. M., 1, 64, 68, 117, 326.
Smith, L., 77.
Smith, L. M., 1, 213, 364.
Smith, M. A., 145, 176.
Smith, M. S., 350.
Smith, O., 275.
Smith, O. F., 127.
Smith, P. F., 196, 197.
Smith, P. G., 149, 153, 155, 156,
276.
Smith, P. M., 342.
Smith jr., R. B., 344.
Smith, R. C., 72, 237.
Smith, R. F., 335.
Smith, R. J., 332.
Smith, S. G., 77.
Smith, W., 120, 354.
Smith, W. H., 223.
Smith, W. K., 9.
Smith, W. L., 120.
Smith jr., W. L., 176, 290.
Smith, W. P. C., 120, 142.
Smith, W. R., 272.
Smith, W. S., 37.
Smith, W. W., 340.
Smock, R. M., 185.
Smol'skii, N. V., 275.
Smoot, J. J., 276.
Smoyer, K. M., 279.
Snapp, O. I., 179.
Snell, K., 77.
Snelling, R. O., 95.
Snelson, J. T., 302.
Snijders, J. H., 8, 31.
Snitko, J. S., 269, 341.
Snow jr., A. G., 231.
Snow, S. J., 54, 126, 127.
Snyder, E., 214.
Snyder, T. E., 47.
Snyder, W. C., 151.
Sobel, F., 23.
Soboleva, V. P., 159.
Sobral, R. P., 334.
Sobrero, L. R., 95.
Sody, H. J. V., 72.
Söderberg, E., 227.
Soeldner, H., 114.
Soenen, A., 15, 159, 179, 245.
Sørensen, M., 15.
Sokolenko, N. I., 164.
Sokolow, D. W., 226.
Sokolow, N. S., 90.
Sokolow, V. P., 328.
Solaroli, V., 164, 165, 191, 345.
Solov'ev, E. D., 161.
Somarriba, L., 336.
Somers, L. A., 35.
Sommer, K., 103.
Sookne, A. M., 302.
Soraci, F., 180.
Sorenson, C. J., 47, 126, 127, 170,
364.
Sorokin, S. W., 96.
Sosedov, N. I., 293.
Sotter, K., 219.
Soule, G., 47.
Soule jr., M. J., 197.
Southey, J. F., 127.
Southgate, B. J., 47, 289.
Southwick, L., 269.
Sowash, R. O., 233.
Sowders, G., 362.
Spaie, I., 245.
Spangelo, L. P., 306.
Sparks, W. C., 105.
Spawn, G. B., 95.
Specht, A. W., 177, 258.
Spee, H. V., 40.
Špehar, V., 108.
Speicher, B. R., 322.
Spencer, C. B., 336, 372.
Spencer, D., 124.
Spencer, D. M., 158.
Spencer, H., 202, 280.
Spencer, J. L., 258.
Spencer, M. M., 60.
Spencer, S. M., 172.
Spendlove, J. C., 354.
Speroni, C., 344.
Speroni, G., 346.
Speroni, H. A., 203.
Sperry, O. E., 31, 340, 356.
Speyer, E. R., 262.
Speyer, W., 2, 122, 327.
Spiller, D., 47, 239, 300.
Spiotta, E. J., 367.
Spirhanzl, J., 11.
Spit, J. M., 162, 187, 194.
Spitzer jr., C. H., 194, 323.
Spitzner, W., 166.
Spoelstra, P. A., 312, 317.
Sporunov, F. F., 26.
Sprague, R., 20, 79, 128, 162, 185,
186.
Sprague, V. G., 22.
Sprangers, A. A. C., 254.
Sprau, F., 67, 99, 111, 231.
Springer, G., 11.
Springer, P. F., 327, 350, 367.
Sprongl, K., 20.
Spruyt, F. J., 105, 106, 262.
Spurbeck, G. H., 367.
Spurr, R. A., 343.
Squires, D. W., 52.
Srinivasan, K. V., 321.
Srinivasan, M. A., 311.
Srisukh, S., 43.
Srivastava, H. C., 157, 262, 278.
Srivastava, T. N., 233, 340.
Ssulakadse, T. S., 9.
Stabler, S., 126.
Stabler, S. P., 125, 339.
Stace-Smith, R., 191.
Stacey, W. A., 300.
Stadlmann, 366.
Staehelin, M., 159, 206, 211.
Stähli, H., 52, 103.
Stafford, E. M., 213.
Stager, R., 49, 325.
Stahl, C., 311.
Stahl, C. F., 6.
Stahl, E., 141.
Stahl, M., 125.
Stahler, L. M., 356.
Stahmann, M. A., 67, 68, 135, 155.
Stakman, E. C., 82, 84, 311.
Stamm, A. J., 254.
Stamper, E. R., 35, 283, 284.
Standen, H., 40, 346.
Stangler, B. B., 257.
Staniforth, D. W., 89.
Staniland, L. N., 127.
Stanković, A., 70, 93, 331.
Stanley, W. W., 190.
Stansbury, R. E., 127.
Stanton, T. R., 76, 79.
Stanton, W. R., 187, 307.
Stapel, Ch., 80, 84, 137.
Staples, M. W., 248.
Staples, R., 92.
Stapley, J. H., 167, 172, 182, 336,
350.

- Stapp, C., 19, 66, 101, 111, 155, 345.
 Starcher, G. C., 272.
 Stark, F., 217.
 Stark, F. C., 120, 157.
 Starkweather, M. H., 223.
 Starnes, O., 144, 236, 317, 336, 362.
 Starovojtova, M. K., 292.
 Starr, G. H., 83, 101, 120, 315, 354.
 Starr, M. P., 193, 263.
 Stassen, 248.
 Statler, S. S., 264.
 Stauffer, J. M., 223.
 Stautemas, E., 257, 260.
 Stearns, C. R., 196.
 Stearns jr., C. R., 196, 201, 202, 362.
 Stearns, L. A., 167, 172, 174.
 Stebnicka, E., 217.
 Stecki, K., 229.
 Steenland, A. P., 122, 157, 162, 176, 295.
 Steer, H. B., 254, 372.
 Steere, R. L., 66, 136.
 Stefanelli, J., 13.
 Stefani, A., 15.
 Steffens, 86, 115.
 Stegmann, G., 254.
 Stehle, H., 60, 130.
 Steib, R. J., 283.
 Steigerwald, 327.
 Steinbacher, J., 60.
 Steinberg, R. A., 13, 133.
 Steinbrenner, E. C., 248.
 Steindl, D. R. L., 282.
 Steineck, O., 100, 111.
 Steiner, A., 59.
 Steiner, D., 300.
 Steiner, G., 39.
 Steiner, H., 70, 257, 289.
 Steiner, H. M., 172.
 Steiner, L. F., 189.
 Steiner, P., 115, 289, 336, 342.
 Steinhäus, E. A., 42, 127, 166, 319, 320, 327.
 Steiniger, F., 60, 63, 320, 326.
 Steininger, 302.
 Steinmüller, M., 17.
 Steinwender, H., 220.
 Stellwaag, F., 2, 39, 159, 162, 172, 191, 208, 209, 211, 213, 214, 369, 370.
 Stelzner, G., 105.
 Stenuit, D., 214.
 Stepanow, K. M., 199, 202.
 Stephan, F., 108, 172.
 Stephenson, P. R., 45.
 Stephenson, R. E., 262.
 Sterenberg, P. M., 74.
 Sterling, G. R., 31, 34, 36.
 Sterling, J. D. E., 147.
 Stern, H. R., 291.
 Sterten, A. K., 15.
 Stessel, G. J., 354.
 Steudel, W., 65, 111, 117.
 Stevens, H., 78.
 Stevens, H. N., 265.
 Stevens, J., 224.
 Stevens, O. A., 236, 327.
 Stevenson, F. J., 98.
 Stevenson, F. V., 86, 145.
 Stevenson, J. A., 20.
 Stevenson, S., 224.
 Stewart, A. B., 142.
 Stewart, D., 112, 113, 116.
 Stewart, D. M., 229.
 Stewart, D. W. R., 224.
 Stewart, G., 32.
 Stewart, K. E., 248.
 Stewart, N., 181.
 Stewart, W. S., 197.
 Steyn, D. G., 17.
 Steyn, J. J., 202.
 Steyskal, G. C., 245.
 Stickel, L. F., 63.
 Stiles, C. F., 271.
 Stiles, W., 13.
 Still, G. W., 207, 213.
 Stilling, F. I., 224.
 Stillinger, J. R., 229.
 Stirland, L. L., 315.
 Stitt, L. L., 151, 152.
 Stiver, E. N., 35, 267.
 Stobwasser, H., 362.
 Stocker, O., 307.
 Stockes, W. M., 360.
 Stoddard, E., 194.
 Stoddard, E. M., 8, 170, 182, 191, 193, 194, 258, 310, 329.
 Stoddard, M., 207.
 Stoddard, L. A., 32.
 Stoeckeler, J. H., 31, 42, 233, 236, 340.
 Stoeckli, A., 229.
 Stöhr, W., 60, 88.
 Stohman III, J. W., 344.
 Stojanovic, D., 70.
 Stokdijk, W., 146.
 Stokes, I. E., 285.
 Stokes, W. M., 38, 134.
 Stoll, K., 181, 182, 214.
 Stolley, I., 298.
 Stolze, 90.
 Stolze, K. V., 88, 99, 148, 367.
 Stone, A., 265.
 Stone, E. C., 32.
 Stone, L. E. W., 106.
 Stone, M. W., 50, 122, 294.
 Stone, Ph. C., 317.
 Stoner, W. N., 72, 86, 147, 153, 214, 257.
 Storch, K., 254.
 Storey, H. H., 65, 266.
 Storey, I. F., 304.
 Stoumont, A. D., 317.
 Stout, G. L., 3, 180, 181.
 Stout, O. O., 334.
 Stovell, F. R., 340.
 Stover, L. H., 214.
 Stover, R. H., 26, 65, 132, 133, 134, 136, 317.
 Stoy, O., 172, 183, 362.
 Strand, A. B., 115.
 Straszewska, Z., 18.
 Street, O. E., 132.
 Streets, R. B., 137, 268.
 Stremme, 11.
 Strickland, A. H., 273.
 Stride, G. O., 50.
 Strijckers, J., 36, 356.
 Stringer, A., 346, 350.
 Stritt, W., 59.
 Stroganova, A. S., 248.
 Strohmeier, G., 217, 367.
 Strokow, W. W., 217, 245, 248.
 Strong, F. C., 231, 248.
 Strong, M. C., 155.
 Struble, F. B., 8, 151, 276.
 Struckmeyer, B. E., 229.
 Stryckers, J., 90, 130.
 Strzemiński, K., 136.
 Stubbings, W. A. K., 166, 190.
 Stubbs, J., 352.
 Stubbs, L. L., 203.
 Stuch, 356.
 Stuckmann, F., 103.
 Stüben, M., 342.
 Stultz, H. T., 166.
 Stummeyer, H., 350.
 Stumper, R., 59.
 Sturiale, F., 183, 340.
 Sturrock, D., 280.
 Sturzebecher, G., 290.
 Stute, K., 367.
 Subba Rao, M. S., 13.
 Subramanian, C. V., 26, 268.
 Subramanian, T. V., 283.
 Subramanyam, V. K., 325.
 Sudiro, M., 278.
 Suenaga, H., 49, 306.
 Sugawara, H., 148.
 Suggitt, J. W., 317.
 Sugiyama, S., 92, 122.
 Sugiyama, T., 142.
 Suit, R. F., 196, 203, 204.
 Sukorceva, K. D., 153.
 Sullivan, W. N., 350.
 Suminoe, K., 304.
 Summerland, S. A., 163, 189, 325.
 Summers, E. M., 179, 277, 282.

- Summers, Th. E., 79.
Sumstine, D. R., 72.
Sun, S. K., 280.
Sun, Y. P., 350.
Sundararaj, D. D., 280.
Sundelin, G., 31, 339.
Suolahti, O., 226.
Sussman, A. S., 166, 321.
Suter, R. C., 182, 372.
Sutherland, W. W., 161.
Šutić, D., 268, 307.
Sutton, G. M., 27.
Sutton, M. D., 18, 353, 357.
Suwanai, M., 122.
Suzuki, H., 87.
Suzuki, N., 365.
Suzuki, R., 122.
Suzuki, S., 15.
Suzuki, T., 330, 342.
Svedmark, B., 220.
Svien, T., 372.
Svirsky, A., 176.
Swaby, R. J., 356.
Swainson, O. S., 145.
Swan, D. C., 127.
Swanbeck, T. R., 132.
Swank jr., G., 120, 146, 155.
Swanson, Ch. R., 35.
Swarbrick, T., 358.
Swart-Füchtbauer, H., 319.
Swartwout, H. G., 170, 193.
Sweeney, A., 17.
Sweet, R. D., 8, 142, 315, 358.
Sweetman, H. L., 288.
Swezey, O. H., 144, 277.
Swierstra, J., 315.
Swiezynski, K., 66, 111.
Swift, J. E., 151.
Swingle, R. U., 248.
Swink, J. F., 113.
Swoiskaja, B. D., 84.
Sy, M., 260.
Sykes, S. M., 289.
Sylvén, E., 190.
Sylverton, J. T., 67.
Sylvester, E. S., 67.
Sylwester, E. P., 29, 30, 31, 314, 340.
Szabó, K., 55.
Szczuka, J., 238.
Szkolnik, M., 275, 287.
Szmidt, A., 236, 245, 325.
- T**aal, M. M., 312.
Tack, G. W., 296.
Tadić, M., 191.
Tadić, M. D., 179, 191.
Tafuro, A., 32, 356.
Tagami, Y., 277.
Taguchi, H., 354.
- Takada, N., 152.
Takahashi, M., 9.
Takahashi, R., 49, 80.
Takahashi, W. N., 64, 66.
Takahashi, Y., 236.
Takano, J., 95.
Takaoka, I., 296.
Takatu, S., 276.
Takefuji, K., 13.
Takehara, K., 77.
Takeuchi, T., 354.
Takita, K., 330.
Talbert, R. E., 33.
Talbot, P. H. B., 20, 25.
Talhoun, A. S., 293.
Tamanini, L., 47.
Tamblyn, N., 251, 358.
Tanaka, I., 110, 133.
Tanaka, S., 78, 87, 343.
Tanaka, T., 91.
Tanami, Y., 1.
Tandon, R. K., 33.
Tani, T., 24, 356.
Tannehill, G. F., 233.
Tanner, C. C., 93.
Tanner, C. R., 58.
Tanner, J. C., 113.
Tanrikut, S., 23.
Tao, C. C., 146.
Taper, C. D., 172.
Tapke, V. F., 25, 80.
Tapley, R. G., 275.
Tapley, W. T., 155.
Tardo, S., 99, 202.
Tardrew, C. C., 319.
Tarjan, A. C., 39, 145, 257, 265, 304.
Tarr, S. A. J., 4, 272.
Tarroux, M., 208.
Taschenberg, E. F., 213.
Tasseau, 224.
Tate, H. D., 113.
Tateishi, I., 321.
Tati, T., 349.
Tatishvili, G. S., 281.
Tauber, O. E., 64, 122, 291.
Taubitz, A., 103, 115.
Taubitz, K., 172.
Tavsanoglu, F., 309.
Taylor, A. L., 39, 265.
Taylor, C. F., 295.
Taylor, C. S., 363.
Taylor, E. A., 56.
Taylor, F., 93.
Taylor, G. G., 183, 191.
Taylor, G. S., 87.
Taylor, H., 367.
Taylor, J. G., 363.
Taylor, J. W., 75.
Taylor, K. L., 236, 238.
Taylor, L. R., 42.
- Taylor, N. L., 127.
Taylor, R. F., 233, 350.
Tehon, L. R., 350.
Telford, H. S., 172, 366.
Temple, L. G., 11.
Temple, V., 148.
Templeman, W. G., 29, 90, 129, 338, 340.
Templin, E., 236.
Tendl, H., 115.
Tenhet, J. N., 134, 296.
Ten Houten, J. G., 307.
Teramoto, T., 20.
Terlouw, D., 35.
Ternovskii, M. F., 133, 136.
Terpstra, P., 30.
Terra, G. J. A., 204.
Terrier, Ch., 23, 210.
Terry, C. W., 313.
Terry, M. E., 291.
Tervet, I. W., 84, 312.
Teske, A. H., 172.
Tessi, J. L., 78, 84.
Tetrault, P. A., 352.
Tew, R. P., 311.
Thacker, D. G., 225.
Thalenhorst, W., 311, 325.
Thanos, A., 26.
Tharp, W. H., 267.
Thatcher, F. S., 18.
Thatcher, L. E., 123.
Thatcher, T. O., 242.
Thate, R., 208, 211.
Thaxton jr., E. L., 267.
Theden, G., 254, 300.
Theiler, F., 294.
Thellot, B., 89.
Thénard, J., 116.
Thevenin, L., 273.
Thiel, J., 260.
Thiele, K., 295.
Thielmann, K., 6, 241, 245.
Thiem, 185, 295.
Thiem, E., 108, 351.
Thiem, H., 52, 165, 166, 168, 172, 179, 214.
Thiers, H. D., 268.
Thijn, G. A., 103.
Thijn, I. G. A., 109.
Thimann, K. V., 36, 356.
Thiollière, J., 84.
Thirumalachar, M. J., 20, 24, 25, 102, 106, 287, 304.
Thistle, M. W., 289.
Thom, J. R., 224.
Thomas, 76.
Thomas, B., 293.
Thomas, C. A., 158, 265, 304.
Thomas, F. J. D., 93.
Thomas, G. E., 108.
Thomas, G. W., 213.

- Thomas, H. E., 191.
Thomas, H. R., 120, 123.
Thomas, I., 76, 109.
Thomas, J. E., 7.
Thomas, J. R., 356.
Thomas, K. M., 275.
Thomas, L. R., 222.
Thomas, M. D., 17.
Thomas, S. L., 213.
Thomas jr., W. D., 7, 123, 145,
258, 259, 263, 265.
Thompson, A., 281.
Thompson, A. H., 183.
Thompson, C. G., 127, 148, 327.
Thompson, G. E., 125, 231.
Thompson, H., 303.
Thompson, H. V., 63, 346.
Thompson, J. A., 55, 257.
Thompson, P. B., 341.
Thompson, S. L., 326.
Thompson, W. L., 196, 201, 202,
362.
Thompson, W. R., 50, 56, 319,
325.
Thomson, A. G., 42, 45, 280, 289.
Thornley, H. F., 45.
Thorn, J. A., 24, 25, 353.
Thornberry, H. H., 65, 196, 287.
Thorne, D. W., 7, 13.
Thorne, F., 280.
Thorne, G., 39, 114, 140.
Thornton, H. G., 321.
Thorold, P. W., 36.
Thorp, D., 336.
Thorpe, H. C., 84.
Thorsrud, J., 363.
Thorstenson, A. J., 127, 335.
Thorup, S., 31, 356.
Thürna, H., 236.
Thullbery, H. A., 172, 345.
Thunell, B., 218, 219, 232.
Thung, T. H., 66, 111, 195, 258,
273.
Thurston jr., H. W., 185, 186.
Tibbetts, T., 58.
Tichomirow, B. A., 15.
Tidman, D. A., 72.
Tiedjens, V. A., 317.
Tielecke, H., 139, 328, 345.
Tiemann, H. D., 254.
Tiensuu, L., 289, 325.
Tiffany, L. H., 120.
Tihonov, N. N., 187.
Tilemans, E., 342.
Tilemans, E. M., 90, 331.
Timmons, F. L., 31, 145, 193.
Timnick, M. B., 26, 120.
Timofeeva-Tjulina, M. T., 35, 76.
Timon-David, J., 56.
Timonin, M. I., 354.
Tindale, C. B., 295.
Tindall, C., 340.
Tinline, R. D., 27.
Tinsley, T. W., 151.
Tippmann, F. F., 53.
Tirelli, M., 47, 59, 112, 132, 134,
166, 179, 245, 246, 307, 336, 342.
Tischler, W., 319.
Tisdale, W. B., 139.
Tisdale, W. H., 331, 344.
Titus, R. T., 300.
Tixier, P., 275.
Tizio, R., 100.
Tjernberg, E., 146.
Tobias, H., 105.
Tochinai, Y., 307.
Toczydlowski, A. H., 302.
Tod, H., 367.
Todd, A. R., 49.
Todd, C. W., 355.
Todd, J. McA., 273.
Tögel, V., 15, 165, 172, 213, 327.
Toffano, W. B., 283.
Togashi, K., 27.
Togliani, F., 17, 87, 88, 116, 145,
176, 181, 186.
Tokunaga, M., 59.
Tokushige, Y., 231, 265.
Tolner, J., 13.
Tomaselli, R., 16, 89, 130, 340.
Tomasello, R., 280, 338.
Tomaszewski, W., 293.
Tominić, A., 141, 213.
Tomiyama, H., 84.
Tomkins, R. G., 295.
Tomlinson jr., W. E., 195.
Tompkins, C. M., 266.
Tonnemacher, F., 254.
Toole, E. H., 118, 294.
Toole, E. R., 226, 230, 266.
Toole, V. K., 118, 294.
Toops jr., E. E., 351.
Tope, G., 326.
Torgeson, D. C., 226.
Torras Casals, C., 125.
Torreiro, R., 312.
Torresin, A., 208.
Tosco, U., 25, 199.
Townes, H., 134, 336.
Townes, H. K., 58.
Townsend, G. R., 79.
Townsend, J. F., 190.
Townsend, L. H., 127.
Toxopeus, H. J., 103.
Toyama, Y., 122.
Traaen, A. E., 88.
Trappmann, W., 40, 331, 343,
369.
Traversi, B. A., 206.
Treggi, G. C., 13.
Tremblé, A. G., 92, 319.
Trentin, A., 77, 116.
Trentini, R., 213.
Treatler, L., 195.
Trifonova, V., 370.
Trinchieri, G., 27, 141, 166.
Tripe, W. J., 33.
Trivelli, G., 210, 211, 331.
Troitzki, A. I., 281.
Troll, W., 20, 64.
Tropin, I., 237.
Troutman, J., 133.
Troutman, J. L., 133.
Trouvelot, B., 190, 206, 245.
Trowell, G. F., 183.
True, R. P., 231.
Trumble, H. P. C., 197.
Truog, E., 114.
Tryon, E. H., 55, 245.
Tscheremisinow, G. A., 11.
Tscherapanow, S. K., 20.
Tschugunin, J. W., 241.
Tschumakow, A. E., 87.
Tsikov, D., 122.
Tsuboi, Y., 77.
Tsujita, M., 59.
Tsuyama, H., 19.
Tucker, C. M., 266.
Tucker, G. J., 224.
Tucker, W. E., 285, 319.
Tuckett, A. J., 35.
Türcke, 248.
Tukey, E. B., 16.
Tukey, H. B., 172.
Tukey, L. D., 192.
Tukey, R. B., 15.
Tullis, E. C., 31, 76, 87, 90, 91.
Tunblad, B., 172, 179, 242, 325,
331, 342.
Tuovinen, A., 300.
Tupenewitsch, S. M., 146.
Turcek, F. J., 8, 319, 325, 326,
327.
Turica, A., 179, 234.
Turk, L. M., 317.
Turk, R. D., 337.
Turner, M., 317, 348.
Turner, M. E., 80.
Turner, N., 95, 354.
Turner, R. C., 10.
Turner, S. W., 17, 172.
Turner, W. F., 180.
Turnipseed, G. F., 190.
Turrell, F. M., 197.
Tusmagari, H., 133.
Tveit, M., 88.
Tveito, S., 162.
Tverskoï, D. L., 125.
Twigg, M. C., 260.
Tyner, L. E., 88.

- U**baldi, L., 31.
 Uchalin, M. M., 245.
 Ueda, M., 62.
 Ueda, Y., 361.
 Uemura, H., 122.
 Uhl, H., 31, 358.
 Uhler, L. D., 33, 328.
 Ulrich, J., 27.
 Ullstrup, A. J., 76, 86.
 Ullyett, G. C., 306.
 Ulrich, A., 242.
 Underhill, G. W., 166.
 Unger, K., 128.
 Unterberger, W., 248.
 Unterstenhöfer, G., 50.
 Unwin, C. H., 352.
 Uota, M., 182.
 Upholt, W. M., 336.
 Uranga, L. A., 224.
 Urbau, H., 363.
 Urhan, O., 275.
 Uricchio, W. A., 39.
 Urquhart, D. H., 274.
 Urquijo Landaluze, P., 206, 211, 313, 363.
 Urushibara, H., 121.
 Uschdraweit, H. A., 156.
 Uschida, S., 42.
 Ushatinskaja, R. S., 293.
 Usman, S., 325.
 Utida, S., 74, 365.
 Uto, T., 125.
 Utrobina, N. M., 325.
 Uvarov, B. F., 42, 45.

Vaas, K. F., 36, 356.
 Vaccheri, G., 109, 211.
 Vaclav, V., 243.
 Vade, S., 15.
 Vaheeduddin, S., 74, 84, 282.
 Vahl, E. v., 295.
 Vakar, A. B., 293.
 Valdés Barry, E., 240, 276, 322.
 Valdés Barry, F., 67, 241.
 Valent, A., 202.
 Valent-Falandry, A., 208.
 Valenta, V., 23.
 Valenzuela, R. H., 224.
 Vallance, L. G., 284, 340.
 Valteau, W. D., 133, 136.
 Vallega, J., 84.
 Vallés Nadal, L., 314.
 Vallin, H., 74.
 Van Alphen de Veer, E. J., 278.
 Van Assche, F., 153.
 Van Bemmél, A. C. V., 72.
 Van Bemmél, P. M., 363.
 Van Bottenberg, M., 278.
 Van Breuseghem, R., 6.
 Van Burg, P. F. J., 315.
 Van Busschbach, E. J., 224.
 Van den Berge, J., 250.
 Van den Bosch, R., 56, 166, 318, 325.
 Van den Brande, J., 106, 351.
 Van den Bruel, W. E., 117, 179, 262, 311.
 Van den Ende, G., 104, 230, 240.
 Van den Hende, A., 351.
 Van den Muijzenberg, E. W. B., 15.
 Van der Goot, P., 97.
 Van der Kerk, G. J. M., 353, 358.
 Van der Laan, P. A., 55, 95, 96, 134, 273, 345, 367.
 Van der Laan, P. J., 333.
 Van der Linde, R. J., 220.
 Van der Linde, W. J., 39.
 Van der Linden, L., 142, 144, 149, 156, 315.
 Van der Meijs, M. Q., 153.
 Van der Merwe, G., 132.
 Van der Meulen, J. G. J., 77.
 Van der Vecht, J., 72, 91.
 Van der Vliet, M., 123, 145, 146.
 Vanderwalle, E., 146.
 Vanderwalle, R., 70, 149.
 Van der Want, J. P. H., 65, 66, 122, 136, 258, 259.
 Van der Weele, S., 354.
 Van der Zanden, C., 144.
 Van der Zee, S., 313.
 Van de Vrie, M., 189.
 Van Dillewijn, C., 27, 283.
 Van Dinther, J. B. M., 59, 195, 238, 325.
 Van Emden, J. H., 281.
 Van Geluwe, J., 32, 340, 356.
 Van Geluwe, J. D., 174.
 Van Haltern, F., 151.
 Van Hell, W. F., 233, 281.
 Van Horn, W. M., 289.
 Vaniev, A. D., 91.
 Vanin, S. I., 300.
 Van Katwijk, W., 190.
 Van Leeuwen, W. M., 8.
 Van Marle, G. S., 257, 300.
 Van Overbeek, J., 356.
 Vanselow, A. P., 197.
 Van Slogteren, E., 65, 360.
 Van Staaldijne, D., 358.
 Vanterpool, T. C., 25, 77, 79, 136, 229.
 Van Thiel, P. H., 337.
 Van Turen, J. P. J., 15.
 Van Zanten, E., 152.
 Van Zwaluwenburg, R. H., 285.
 Vappula, N. A., 5.
 Vári, L., 55.
 Varner, R. W., 226, 254.
 Varney, E. H., 151.
 Vasić, K., 363.
 Vasil'ov, I. M., 161.
 Vasil'ev, I. V., 122.
 Vasil'evskii, A. P., 344.
 Vasiljević, Lj. A., 147.
 Vasudeva, R. S., 75, 266, 283.
 Vatter, A. E., 65, 196.
 Vaughan, E. K., 23, 191, 193, 282.
 Vaughn, J. R., 351.
 Vaughn, W. T., 33.
 Vaught, K., 45.
 Vavilov, N. I., 307.
 Vayssière, 273.
 Vayssière, P., 337.
 Veenstra, H., 233, 281.
 Vega, J., 214.
 Vega Macchiavello, J. A., 337.
 Vegter, E., 146.
 Vekemans, J., 346.
 Venet, M., 165.
 Venezia, M., 59.
 Venkatakrishnaiah, N. S., 23, 120.
 Venkataramani, K. S., 281.
 Venkataraman, S. V., 25, 129, 295, 305.
 Vent, E., 359.
 Ventura, E., 304.
 Venturi, F., 105, 259, 294.
 Verbruggen, A., 315.
 Verdcourt, B., 300.
 Vergani, A. R., 204.
 Vergara Castillo, C., 23.
 Verhoeven, W. B. L., 99.
 Verkerk, K., 149.
 Verlaat, J. G., 172.
 Verma, G. S., 226, 231, 280.
 Verneau, R., 199.
 Vernon, J. W., 250.
 Verona, O., 11, 13, 70, 79, 161, 174, 265, 351.
 Verrall, A. F., 254, 300.
 Vestal, E. F., 79.
 Vezin, Ch., 70.
 Viado, G. B., 59, 156, 337, 359.
 Vianna e Silva, M., 90.
 Vick, F., 63.
 Vidali, A., 133, 258.
 Vidal Mora, J. M., 78, 88, 162, 313.
 Vidme, T., 31, 356, 359.
 Vieil, C., 17.
 Vieira, R., 263.
 Viel, C., 53, 359.
 Viel, M., 363.
 Viennot-Bourgoin, C., 20, 25, 84, 186, 258.
 Vieregge, 290.
 Vierheller, A. F., 169.
 Vietinghoff-Riesch, A. v., 236, 319.
 Viets, F. G., 13.

Viets jr., F. G., 13, 77, 118.
Viktor, T., 168.
Viktorov, G. A., 122, 325.
Vikulova, N. V., 90.
Vilbrandt, F. C., 351.
Villadolid, D. V., 36.
Villeneuve, G. O., 224.
Villey, M., 254.
Villière, A., 254.
Vincent, L. E., 277, 292.
Vinci, L., 15.
Vinogradov, P. I., 153.
Vinš, B., 5, 218.
Vintinner, F. J., 32, 33.
Violante, C., 211.
Virnik, F., 246.
Vishniakov, V., 112.
Visser, D. F., 63, 95.
Visser, G. H., 316.
Vital, A. F., 278.
Vité, P., 53, 220, 233, 237, 240.
Vitoria, E., 209.
Viviani, W., 236.
Vlasveld, J. P. N., 181.
Vlasveld, W. P. N., 187.
Vlitos, A. J., 344.
Völk, J., 112.
Voets, J. P., 18.
Voevodin, A. V., 33, 356.
Vogel, H., 354.
Vogel, W., 69, 163, 179.
Vogelsang, P., 112.
Vogler, A. H., 222.
Vogt, E., 123, 125, 208.
Vogt, G. B., 235.
Voigt, G. K., 220.
Voitchishina, O. N., 84.
Voix, S., 12.
Vojvodić, D., 55.
Volk, G. W., 315.
Volkova, E. P., 176.
Vollema, J. S., 23, 281.
Volobueva, N. P., 266.
Volodarskiĭ, N. I., 132.
Volodin, A. N., 306.
Volp, P., 311.
Volpi, M., 346.
Volz, P., 39.
Voss, C. M., 356.
Voß, 213.
Voß, E., 54.
Voß, H., 99.
Voûte, A. D., 233, 246, 319.
Vriend, S., 147, 162.
Vrydagh, J. M., 238, 242, 278.
Vryonides, T., 208.
Vuillaume, M., 277.
Vukasovic, P., 17.
Vullings, W., 162.
Vyvyan, M. C., 9, 161, 183.

Wachendorff, 53.
Wachtendorff, W., 61.
Wachter, I., 365.
Waddell, W. H., 76.
Waddoups, V., 155, 156.
Wade, C. C., 15, 39, 118, 176, 183, 187, 193, 306.
Wade, J. S., 5, 285, 319.
Wadsworth, D. F., 85.
Wadsworth, S. E., 262.
Wager, V. A., 147, 199.
Waggoner, P. E., 103.
Wagn, O., 166.
Wagner, 114, 145.
Wagner, E., 47, 351.
Wagner, F., 93, 127.
Wagner, J., 37.
Wahid, M. A., 283.
Wahl, 139.
Wahlgren, E., 56, 59.
Wahlin, B., 56, 112, 127, 141, 148, 305, 320.
Waibel, C., 196, 272.
Waibel, C. W., 196, 199.
Wain, R. L., 257, 348, 349, 357, 359.
Wajnschtein, B. A., 55, 246.
Wakelan, C., 335.
Wakeland, C., 45.
Waksman, S. A., 354.
Walcott, A., 114.
Waldo, R. J., 224.
Waldron, L. R., 84, 85.
Walkden, H. H., 91, 95, 290, 293, 314.
Walker, A. H., 36.
Walker, J. C., 64, 68, 99, 109, 112, 135, 142, 147, 149, 151, 275.
Walker, K. C., 366.
Walker, R. B., 220.
Walker, R. L., 356.
Wallace, G. B., 4, 20, 75, 87, 118, 120.
Wallace, J. M., 202, 204.
Wallace, M. J., 99, 153.
Wallace, M. M., 20, 75, 120.
Wallace, Ph. P., 346.
Wallace, T., 13.
Wallen, V. R., 120, 137, 354.
Waller, S., 230.
Wallin, J. R., 21, 71, 85, 103, 155.
Wallis, R. L., 50.
Walmsley, L. G., 15.
Waloff, N., 45.
Waloff, Z., 45.
Walrave, J., 67, 77.
Walrecht, B. J. J. R., 59.
Walsh, J. P., 254.
Walsh, T., 17.
Walter, E. V., 96.
Walter, J. M., 155, 162.
Walter, T. E., 281.
Walters, C. S., 254, 300.
Walters, H. J., 67, 120.
Walters, S. S., 40.
Walters, W., 224.
Walther, R., 75, 144, 257, 294.
Walton, G. H., 162.
Walton, R. R., 75, 195.
Walton, W. R., 55.
Wang, C. S., 23, 282.
Wang, S. C., 283.
Wangerin, R. R., 31, 341.
Wanijew, A. D., 337.
Wanin, S. J., 300.
Wanin, S. P., 226.
Wanke, K. G., 15.
Wann, F. B., 7, 13.
Warcup, J. H., 20, 25, 317.
Ward, R. K., 31, 37.
Ward, W. F., 311.
Warden, R. L., 33, 341.
Wardrop, G., 37.
Warmbrunn, 31, 88, 313.
Warmbrunn, K., 40, 53, 85, 88, 104, 109, 114, 131, 290.
Warnecke, G., 56.
Warner, G. C., 129.
Warner, R. M., 206.
Warren, G. F., 31, 104, 143, 341.
Warren, J. R., 19, 78.
Warren, L. O., 193.
Warren, R., 33, 34, 89, 129.
Warrick, L. F., 367.
Washko, J. B., 123.
Wasser, H. B., 166, 327.
Wasserburger, H.-J., 293, 351.
Watanabe, S., 74.
Watanabe, T., 76, 87.
Waterhouse, W. L., 129.
Waterhouse, W. W., 85.
Waterston, A. R., 45.
Watkins, G. M., 72.
Watkins, I. v., 341.
Watkins, S. B., 166.
Watson, A. J., 31, 198, 280.
Watson, D. J., 112.
Watson, D. P., 264.
Watson, D. W., 68, 135.
Watson, J., 183.
Watson, J. A. S., 106.
Watson, J. S., 158.
Watson, M. A., 116, 117.
Watson, R. D., 112, 120, 157.
Watt, R. F., 220.
Wattel, M., 12.
Watters, F. L., 289.
Watts, J. G., 93, 317, 337.
Watts, T. J., 162.
Watzl, O., 109, 116.
Wautier, J., 320.

- Way, A. M., 352.
Way, M. J., 277, 342.
Weatherby, H., 224.
Weaver, C. R., 122, 127, 131, 335.
Weaver, H., 224.
Weaver, L. O., 71, 132, 133, 141,
152, 153, 159, 169, 170, 176.
Weaver, N., 367.
Webb, A. J., 345.
Webb, E. G., 363.
Webb, F. E., 246.
Webb, R. E., 112.
Webb, V. M., 300.
Webber, R. D., 145.
Weber, 174.
Weber, A., 172, 320, 331, 367.
Weber, E., 351.
Weber, F., 148.
Weber, G., 179.
Weber, G. F., 151, 229, 266.
Weber, J. C., 271.
Weber, P. V. V., 136.
Weber, P. W., 325.
Webley, D. P., 45.
Webster, C. G., 327, 350, 367.
Webster, J., 20, 145.
Webster, R. L., 163, 173, 367.
Weddell, J. A., 277.
Weed, R. M., 47.
Weeder, K., 173.
Weeks, G. W., 167.
Weeks, T. E., 180.
Weeks, W. D., 183.
Weeman, R. L., 224.
Wegener, W., 226, 302.
Wegorek, W., 70, 369.
Wehmeyer, L. E., 23.
Wehrle, W. P., 49.
Wei, C. T., 151.
Weiant, E. A., 303, 350.
Weibel, D. E., 95.
Weidner, H., 47, 300.
Weigel, Ch. A., 100, 142, 351.
Weigle, C. G., 171.
Weih, A. S., 45.
Weihing, J. L., 120.
Weil, C. S., 364.
Weiler, 142, 325.
Weimer, J. L., 125.
Weimberger, J. H., 180.
Weindling, R., 354.
Weinland, H. A., 179.
Weinman, C. J., 95, 189, 359.
Weinmeister, B., 331.
Weinthal, F. A., 263.
Weiser, J., 321.
Weiss, F. A., 261.
Weiss, M. G., 120.
Weiss, P. E., 35.
Weisse, G., 254.
Weissenborn, K., 183.
Welch, C. L., 271.
Welch, D. S., 231.
Welch, J. E., 151.
Wellenstein, 218.
Wellenstein, G., 51, 236, 238, 242.
Weller, K., 99.
Wellington, B., 99.
Wellman, F. L., 275, 278.
Wellman, R. H., 333.
Wells, D. G., 77.
Wells, J. C., 75, 117, 142, 287.
Wells jr., L. F., 194.
Welsh, J. N., 25, 85.
Welsh, M. F., 174, 180, 181.
Welte, E., 362.
Wemmert, N., 320.
Wenck, F., 159.
Wendelbo, P., 31.
Wender, S. H., 36.
Wene, G. P., 93, 96, 142, 144, 202,
271.
Wenkel, F., 60.
Went, J. C., 249.
Wenzl, H., 17, 99, 106, 117, 162,
168, 173, 187, 343.
Werfft, R., 9.
Werkman, C. H., 19.
Werner, H. O., 102.
Werner, W., 195.
Wernham, C. C., 79.
Werry, F. E., 356.
Wessel, C. J., 287.
West, E., 265.
West, J., 274.
West, T. F., 337, 354.
Westberg, D. L., 229.
Westcott, C., 218.
Westdal, P. H., 139.
Wester, R. E., 120.
Westermaier, 295.
Westin, E., 101.
Wettinger, 63, 75, 88.
Weygand, F., 345.
Weyl, V. E., 337.
Whaley, F. R., 359.
Whallon, A. P., 31, 313.
Wharton, R. H., 351.
Wheeler, E. H., 95, 131, 173.
Wheeler, G. B., 294.
Wheeler, H. E., 22, 23, 276.
Whetstone, R. R., 348.
Whiffen, H. J., 195.
Whipp, A. A., 146, 152, 193.
Whitcomb, W., 272.
White, A. N., 142, 144, 271, 337.
White, D. G., 192.
White, D. P., 220.
White, E. B., 245.
White, F. A., 202, 279.
White, G. D., 95.
White, G. O., 224.
White, H. E., 258.
White, J. C., 341.
White, J. H., 158.
White, L. T., 25, 218, 226.
White, M. J. D., 45, 46.
White, P. R., 8.
White, R. T., 53, 320.
White, W. C., 118.
White, W. H., 5, 142.
Whitehead, M. D., 287.
Whitehouse, H. L. K., 20, 25.
Whiteside, J. M., 242.
Whitfield, C. J., 33, 34.
Whiting, A. R., 325.
Whitman, J. A., 218.
Whitnall, A. B. M., 72.
Whittaker, M., 345.
Wiänt, J. S., 100.
Wichers, P. J., 363.
Wichmand, P. H., 63.
Widmann, M., 11.
Wiede, W., 130.
Wiedemann, M., 66.
Wiederholt, W., 249.
Wiedmann, H., 51.
Wiehe, P. O., 282.
Wiehler, 15.
Wieland, K., 109.
Wieman, J., 258.
Wienhues, F., 80.
Wiersema, H. T., 99, 112.
Wieser, G., 31.
Wiesheu, 109.
Wiesmann, R., 331, 337, 351, 358,
359, 367, 368.
Wigglesworth, V. B., 202.
Wiktowow, G. A., 320.
Wilbur, W. D., 277.
Wilcox, M. S., 277.
Wilcox, R. B., 196.
Wilcoxon, W. F., 345.
Wilde, H. E., 302.
Wilde, M. H., 121.
Wildman, S. G., 66.
Wiles, A. B., 151.
Wilhelm, 208, 212, 213.
Wilhelm, A. F., 209.
Wilhelm, St., 27, 191, 265, 316.
Wilhelmi, G., 368.
Wilke, G., 159.
Wilkins, V. E., 70, 369.
Wilkinson, E. H., 186.
Wilkinson, G. M., 224.
Wilkinson, T., 42.
Wilkinson, R. E., 65.
Wilks, J. M., 181.
Will, F., 293.
Willaman, J. J., 335, 353, 354.
Willard, C. J., 31, 35, 90, 114, 123,
341.
Willard, H. J., 52, 323.

Willaume, F., 369.
Wille, J. B., 109.
Wille, J. E., 271, 285, 325, 337.
Willeke, L., 354.
Williams, A. R., 281.
Williams, A. T., 173.
Williams, C. B., 2, 42, 75, 306.
Williams, E. J., 250.
Williams, F. H., 331.
Williams jr., H., 181.
Williams, J. R., 278, 325, 328.
Williams, J. W., 201.
Williams, P. H., 72.
Williams, R. C., 66, 136.
Williams, R. D., 13, 128.
Williams, R. H., 315.
Williams, W. H. S., 173.
Williams, W. K., 63.
Williams, W. O., 341.
Williams-Ashman, A. G., 357.
Williamson, C. E., 65.
Willimott, S. G., 315.
Willins, H. H., 231.
Willis, D., 11.
Willis, E. R., 293.
Willis, T. G., 31.
Willison, R. S., 151, 181.
Willmann, H., 243.
Wilson, A. M., 75.
Wilson, C., 266, 272.
Wilson, C. G., 34, 224.
Wilson, C. W., 287.
Wilson, E. E., 175, 186.
Wilson, E. O., 59.
Wilson, F., 31, 328.
Wilson, G., 285.
Wilson, G. B., 354.
Wilson, G. F., 265, 337.
Wilson, H. B., 59.
Wilson, J., 274.
Wilson, J. B., 1.
Wilson, J. D., 99, 104, 151, 155, 333.
Wilson, J. H., 112, 315.
Wilson, J. R. W., 359.
Wilson, J. W., 146, 285, 323.
Wilson, M. C., 127, 320.
Wilson, P. W., 19.
Wilson, R. D., 13, 123, 142.
Wiltshire, G., 173.
Wind, J., 13.
Wingard, S. A., 72, 286.
Winkelmann, A., 88, 117.
Winkler, A. J., 208.
Winkler, H., 218, 326.
Winkler, J., 291.
Winkler, O., 224.
Winning, E. v., 109.
Winston, J. R., 199.
Winter, A. G., 20, 76, 354.
Winter, D. W., 145.

Winter, G., 202, 320, 325.
Winter, H. F., 173, 181, 193.
Winter, J. C., 295.
Winterberg, M., 363.
Winternitz, O., 300.
Winters, H. F., 287, 317.
Wipprecht, R., 92, 270.
Wirth, W., 365.
Wirth, W. W., 42, 325.
Wismer, C. A., 283.
Wit, F., 117.
Witte, K., 15, 161, 363.
Wittenrood, H. G., 78.
Wittwer, S. H., 289, 290.
Wnuk, M., 217, 299.
Woelfle, M., 63, 218, 238, 243, 248, 363.
Wöllmer, H., 314.
Woestemeyer, V. W., 34, 356.
Wohletz, E., 254, 300.
Wojciechowski, E., 217, 299.
Wokes, F., 315.
Wolcott, A., 31.
Wolcott, A. R., 35, 328.
Wolcott, G. N., 42, 53, 279.
Wolf, B., 13.
Wolf, D., 340.
Wolf, D. C., 361.
Wolf, D. E., 27.
Wolf, E. A., 86.
Wolf, F. A., 135, 227.
Wolfe, H., 33.
Wolfe, H. R., 67, 176, 179, 181.
Wolfenbarger, D. O., 280, 337.
Wolfer, A., 314.
Wolkow, A. J., 1.
Wolkow, R. S., 226.
Wollerman, E. H., 249.
Wollerman jr., E. H., 56.
Wollner, F., 100.
Wollny, B. A., 226.
Woltz, W. G., 133.
Wood, A. J., 32.
Wood, G. V., 224.
Wood, G. W., 195.
Wood, H. E., 32, 341, 356.
Wood, I. D., 32.
Wood, K., 97.
Wood, L. B., 293.
Wood, R. K. S., 152.
Wood, R. R., 113.
Wood, S. L., 54.
Wood, W. B., 311.
Wood, W. S., 363.
Wood-Baker, C. S., 50.
Woodbridge, C. G., 13, 161.
Woodcock, D., 346, 350, 351.
Woodford, E. K., 120, 338.
Woodhead, C. E., 153, 186.
Woodhouse jr., W. W., 125.
Woodroffe, G. E., 47, 56, 289.

Woodroof, J. G., 303.
Woodruff, N., 134.
Woodruff, N. P., 11.
Woods, M. W., 65.
Woods, R. P., 300.
Woodward, C. F., 335.
Woodward, C. H., 32, 341.
Woodward, J. C., 16.
Woolfolk, E. T., 269.
Woolcombe, T. M., 196.
Woolley, J., 7.
Woolley, T. A., 48.
Wort, D. J., 17, 158.
Worthington, D., 271.
Woudenberg, J. P. M., 161.
Woudhuysen, H. L., 313.
Woudenberg, J. P. M., 220.
Wressell, H. B., 95.
Wright, Ch. M., 259.
Wright, D. N., 98.
Wright, D. W., 101, 122.
Wright, G. F., 41.
Wright, J., 72.
Wright, J. M., 151, 152, 352, 354.
Wright, J. O., 90.
Wright, K. H., 244.
Wright, N. S., 112.
Wright, W. H., 202, 311.
Wright, W. R., 176.
Wu, Y. S., 85.
Wüst, W., 326.
Wybou, A., 167.
Wyckoff, R. W. G., 109, 326.
Wylie, W. D., 179.
Wyman, O. L., 34, 101.
Wysong, N. B., 230.

Xylander, E. v., 53, 240.

Yagi, J., 280, 370.
Yale jr., J. W., 280.
Yamada, M., 111.
Yamada, S., 155.
Yamamoto, I., 293.
Yamamoto, M., 157.
Yamamoto, S., 49, 91.
Yamamoto, T., 81, 348.
Yamamoto, W., 20.
Yamasaki, I., 227.
Yamasaki, T., 122, 351.
Yamashina, H., 329.
Yamashita, F., 293.
Yamashita, Z., 96.
Yanagi, T., 54.
Yanagisawa, T., 86, 222.
Yarham, E. R., 224.
Yarwood, C. E., 7, 9, 15, 65, 67, 120, 123, 138, 265, 333.
Yasumatsu, K., 206, 320.

- Yasutomi, K., 359.
 Yates, R. T., 337.
 Yeates, J. S., 36.
 Yeomans, A. H., 329.
 Yerington, A. P., 333, 344, 357.
 Yerkes, W. D., 21.
 Yerkes jr., W. D., 157, 211, 249.
 Yézou, N., 305.
 Yoder, D. M., 343.
 Yohe, R., 315.
 Yokoyama, S., 75.
 York, G. T., 46.
 Yoshida, M., 51, 93, 365.
 Yoshida, T., 74, 314.
 Yoshida, Y., 15.
 Yosbii, H., 9, 67, 87, 91, 260.
 Yoshino, M., 81.
 Young, D. W., 36.
 Young, H. C., 173, 181, 231, 351.
 Young jr., H. C., 85.
 Young, H. E., 275, 276.
 Young, L. A., 337.
 Young, P. A., 72, 153, 155, 156.
 Young, R. A., 102, 218, 261.
 Young, W. J., 193.
 Younkin, S. G., 155.
 Yuasa, H., 96.
 Yue, T. F., 347.
 Yuill, J. S., 236, 363.
 Yunus, Ch. M., 55, 201.
 Yushima, T., 148.
 Yust, H. R., 202.
 Zachos, D. G., 70, 125, 208, 212, 268.
 Zäch, C., 162.
 Zahnley, J. W., 356.
 Zakarije, A., 56.
 Zakharov, P. S., 246.
 Zakharova, E. I., 209.
 Zakheim, M., 270.
 Zalik, S., 90.
 Zambettakis, C., 199.
 Zanden, G. V. D., 289.
 Zandstra, K. J., 32.
 Zangheri, S., 190.
 Zanini, E., 341.
 Zanon, K., 311.
 Zappe, M. P., 245.
 Zaprometov, N. G., 212, 255.
 Zarubajlo, T. J., 76.
 Zattler, F., 138.
 Zaumeyer, W. J., 123.
 Zeid, M. M. I., 346.
 Zeitler, H., 368.
 Zeller, S. M., 180.
 Zentmyer, G. A., 280, 281.
 Zeumer, H., 173, 343.
 Zhavoronkov, P. A., 183.
 Zhukova, I. V., 85.
 Zhukova, K. P., 114, 125.
 Zhukovskii, A. V., 95, 131.
 Ziarkewicz, T., 157.
 Zia-Ud-Din, 48.
 Ziegler, 325.
 Ziegler, H., 263.
 Ziegler, O., 50, 112.
 Zielinski, Q. B., 174.
 Zieliński, Z., 63.
 Ziennicki, St., 11, 307.
 Zienkiewicz, H., 136.
 Zijdewind, C., 341.
 Zillig, H., 2, 208, 212, 214, 369.
 Zimmerman, E. C., 328.
 Zimmerman, P. W., 341, 356.
 Zimmerman, W. E., 130.
 Zimmermann, 109, 112, 195, 363.
 Zimmermann, W., 301.
 Zingg, A. W., 11.
 Zink, F. W., 153.
 Zinna, G., 245.
 Zirkel, H., 293.
 Zischka-Winter, R., 287.
 Zitowitsch, I. K., 90, 269, 293, 341.
 Zitzewitz, A. v., 104.
 Ziv, S., 368.
 Živojinović, S., 363.
 Znamenskii, V. V., 46.
 Zobrist, L., 186, 227.
 Zörnitz, H., 159, 313.
 Zogg, H., 78, 79.
 Zon, R., 218.
 Zoril, J. G., 258, 259.
 Zrazhevskii, A. I., 220.
 Zscheile, F. P., 25, 85.
 Zuckerman, S., 368.
 Zürn, F., 35, 130.
 Zugehör, A., 254.
 Zundel, G. L., 25.
 Zvereva, P. A., 100.
 Zweigelt, F., 190, 213.
 Zwintzsch, M., 174, 186.
 Zwölfer, W., 236.
 Zycha, H., 218, 220.
 Zygankow, S. K., 267, 368.

Zabala, S., 286.
 Zabel, R. A., 299.
 Zacher, F., 53, 289, 293.

